

FORMS IN MOTION

A SYMPHONY IN THREE MOVEMENTS

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JEAN EICHELBERGER IVEY

Department of Music

A Thesis submitted in conformity with the requirements for the Degree of Doctor of Music in the University of Toronto

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INSTRUMENTATION

- 2 Flutes
- 1 Alto Flute, alternating with Piccolo
- 2 Oboes
- 1 English Horn
- 2 Clarinets in Bb
- 1 Bass Clarinet in Bb
- 3 Bassoons, third alternating with Contrabassoon
- 4 Horns in F
- 3 Trumpets in C
- 2 Tenor Trombones
- 1 Bass Trombone
- 1 Tuba

Percussion: 4 players including timpenist. See separate list of instruments.

Piano, alternating with Celesta. See separate playing instructions.

Harp. See separate playing instructions.

- 16 First Violins
- 14 Second Violins
- 12 Violas
- 10 Violoncelli
- 3 Double Basses

In this score, all instruments sound as written, with the following exceptions:

Glockenspiel sounds 2 octaves higher than written.

Harp harmonics, piccolo, xylophone, and celesta sound 1 octave higher than written.

Contrabassom sounds 1 octave lower than written.

Double Bass sounds 1 octave lower than written, except for harmonics in the treble clef, which sound as written.

Playing time: about 25 minutes

PERCUSSION INSTRUMENTS

Membrane

- 3 pedal Timpani, 25", 25", and 23".
 1 Side Drum, played without snares throughout.
- 1 Bass Drum.

Wood

Xylophone, sounding Sva. 3 Temple Blocks, pitched such that the lowest pair are

about one whole-step apart, with the highest one a minor third above the middle one, (Cf. notation, below)

Claves. Wood Chimes.

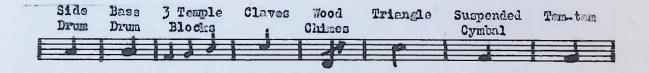
Metal

(Celesta, played by pianist.) Glockenspiel, sounding 15ma. Tubular Bells, sounding as written. 2 pairs Crotales:



- 1 Triangle,
- 1 Large Suspended Cymbal.
- 1 Tam-tam.

Instruments of indefinite pitch are uniformly notated in the following staff positions:



In the first and third movements, the piano is played mode ordinarie. In these movements only, it alternates with the celeste, which sounds 8va.

In the second movement, the celesta is not played at all, and the piano is played throughout directly on the strings, with fingertips, fingernail, coft timpani beaters, or metal-edged ruler, as indicated. At the beginning of this movement, stand up, open the piano lid, and lower (or remove) the music rack. Have timpani beaters and ruler ready.

Pedal indications must be scrupulously observed, especially so in the second movement. They have been supplemented in some cases with the expressions "L.V." and "DAP."

L.V.

allow sound to continue until it dies away, or until further indication, by holding down keys or damper pedal.

DAMP

lower the dampers to cut off the sound, either by releasing keys or releasing damper pedal (already depressed).

The following effects are found in the second movement:

=

glissando over a group of strings, with several fingertips of one hand.

June

same, but with a single finger.



same, with fingernail.

The register where the glissando tales place is indicated, e.g. "lowest," "medium high." Consider the piano to be divided for this purpose into 4 registers: highest, medium high, medium low, and lowest, although not all of these are used in the piece.

The speed of the glissando is usually dependent on the note value and the defired dynamic level. In some cases, the word <u>lente</u> is added to indicate a particularly slow glissando.

11

(Cf. meas. 64-65 and meas. 71-72.) After pressing down a given group of keys silently with one hand (in order to raise their dampers), quickly describe an arc over the strings in this whole area with a fingertip of the other hand, in the direction indicated. This must be done without pedal.

17

Same, using fingernail to describe arc.



With a group of fingertips, continuously describe figure-8 patterns on the lowest strings (a mixture of lateral and longitudinal movement).



Roll with 2 soft timpani beaters. Move them up and down continuously over the lowest strings. Wjore necessary to indicate durations more clearly, a note is added to the symbol. (Cf. meas. 32 et sec.)

ruleret

(meas, 51) Place a metal-edged ruler, one foot long, horizontally across the strings in the lowest register, with the metal edge in contact with the atrings. Then, with pedal down, draw the ruler quickly and forcefully toward you.

+

Luffle (notes just played, or as indicated in context).



huffle in low register.



Muffle completely.

A or &

Pluck with fingernail.

~___

Same, for a series of notes.

m

Play close to sounding-board.

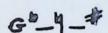
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Ordinary glissando.

Glissando with back of fingernails.



Glissando rapidly in the center of the strings, from starting to terminating note, in direction indicated. Upward use 3rd finger, downward use thumb.



(Cf. mvt. 1, meas. 26%.) Pedal dissando. After plucking initial Gb, move pedal chromatically in indicated rhythm as strings continue to vibrate, without replucking.



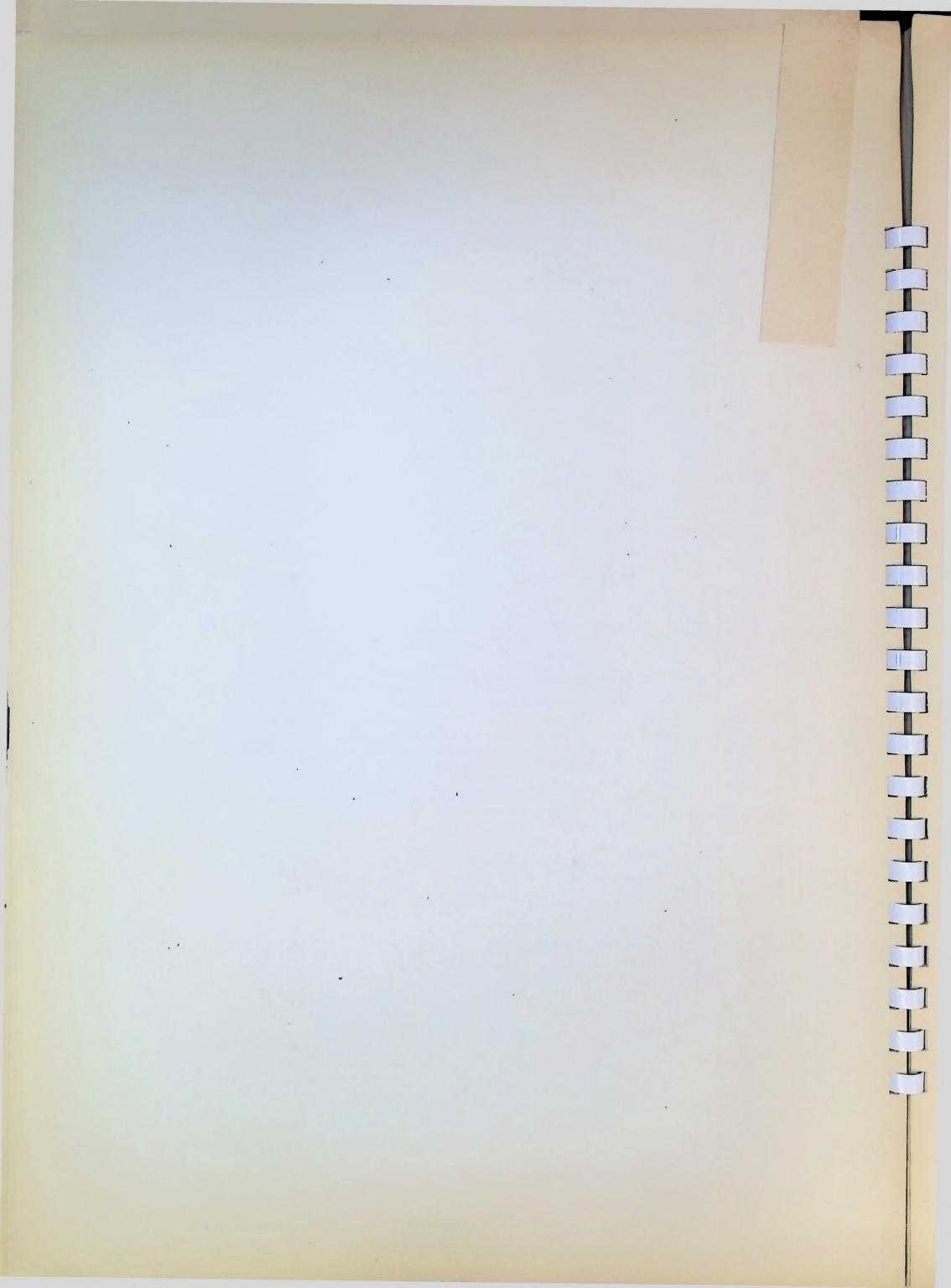
(mvt. 1, mess. 16%.) Missando violently with second finger of left hand over the strings indicated (wire strings), allowing them to strike against each other.



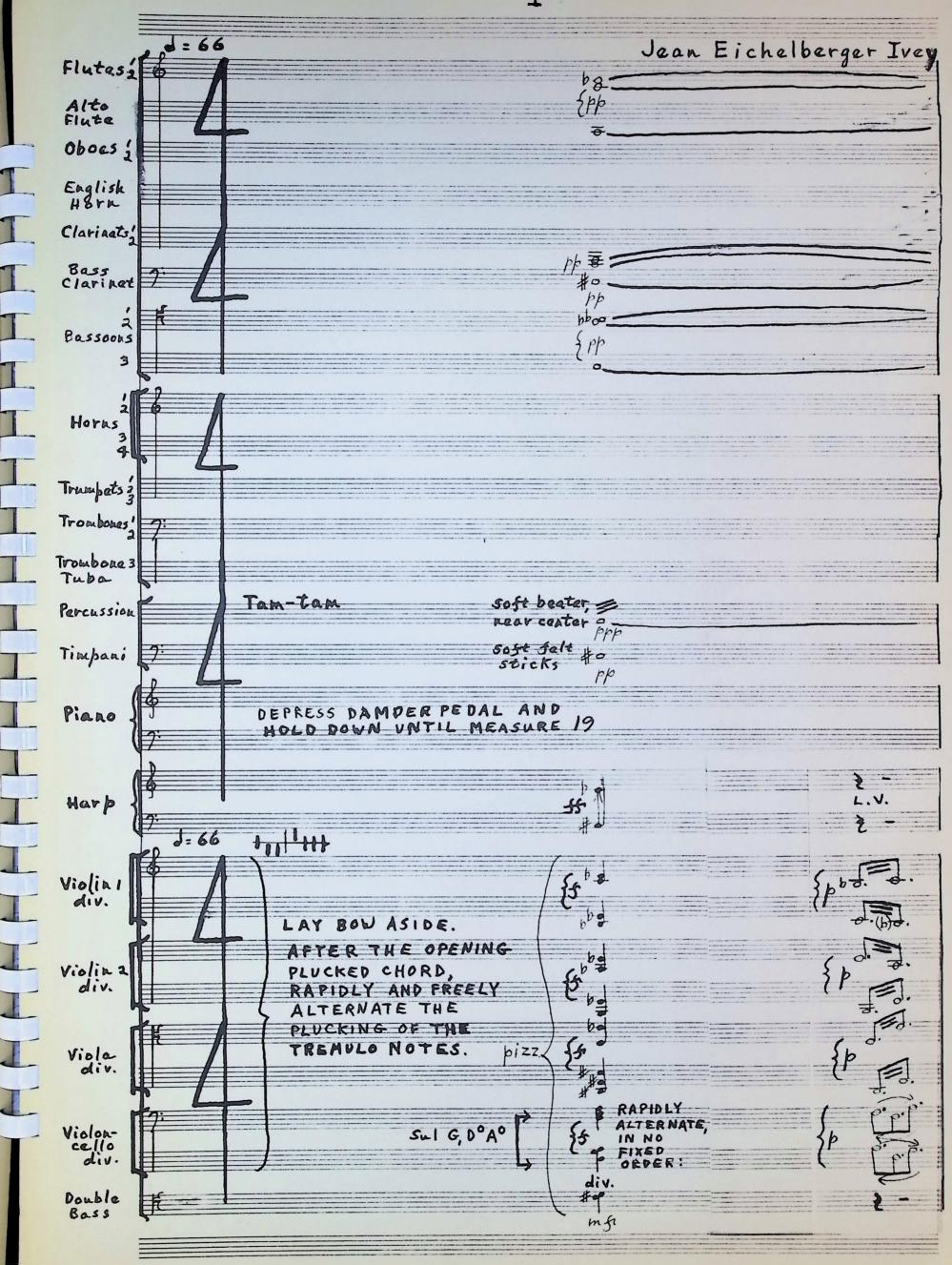
(mvt. 3, meas. 16) With flat of left hand, slide rapidly and vigorously lengthwise up the wire strings.

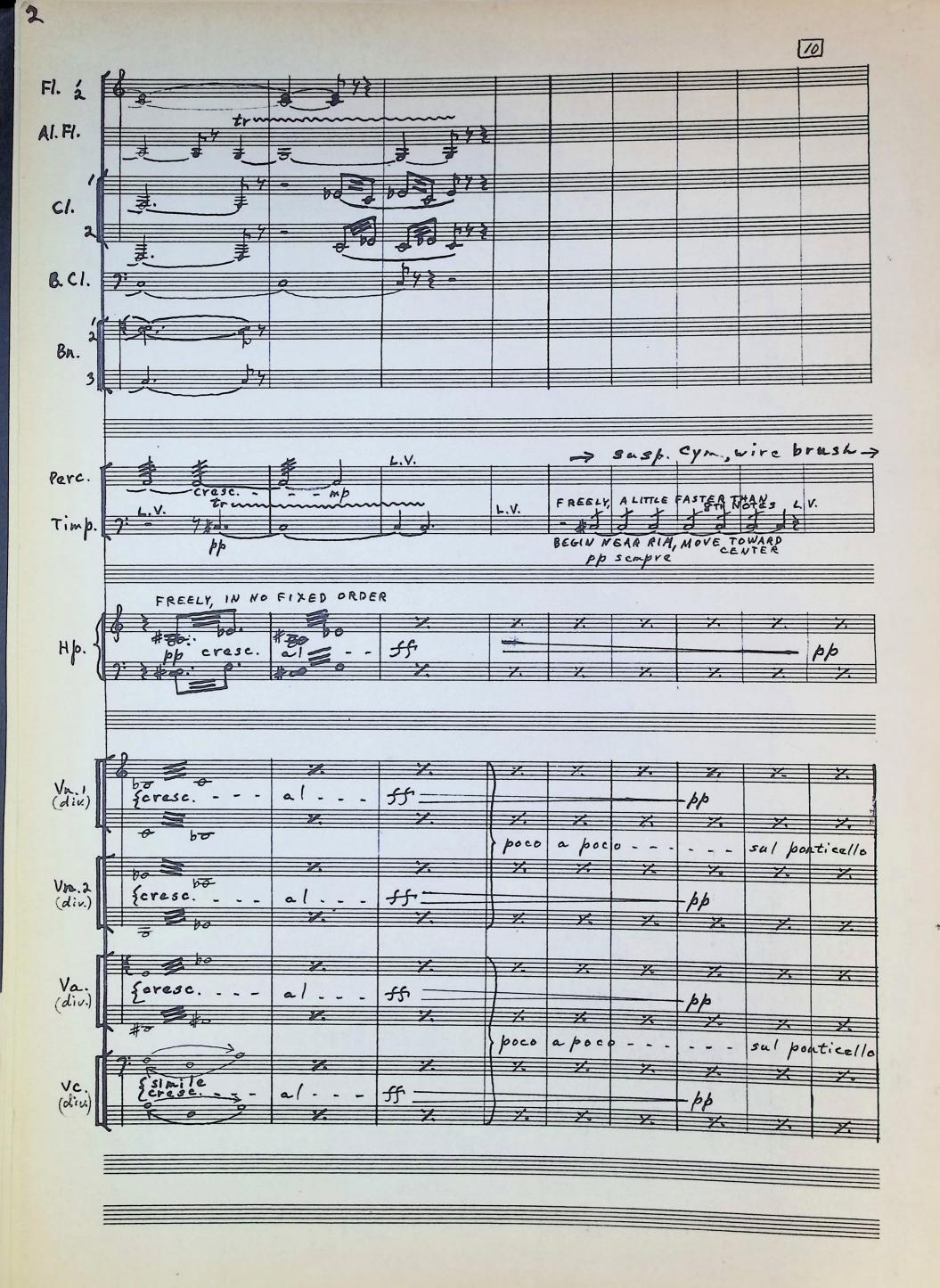
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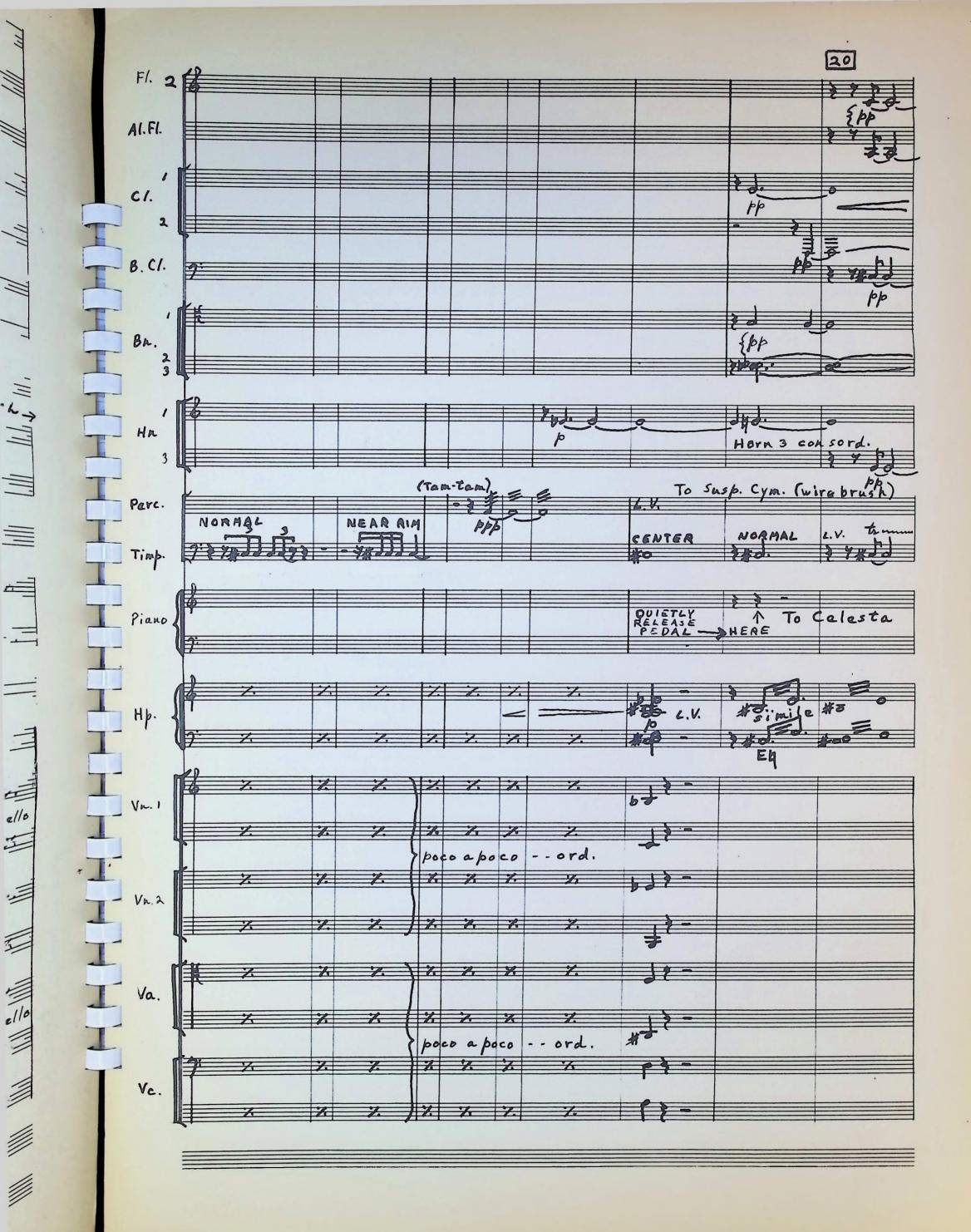
Marmonic, sounding Sva.

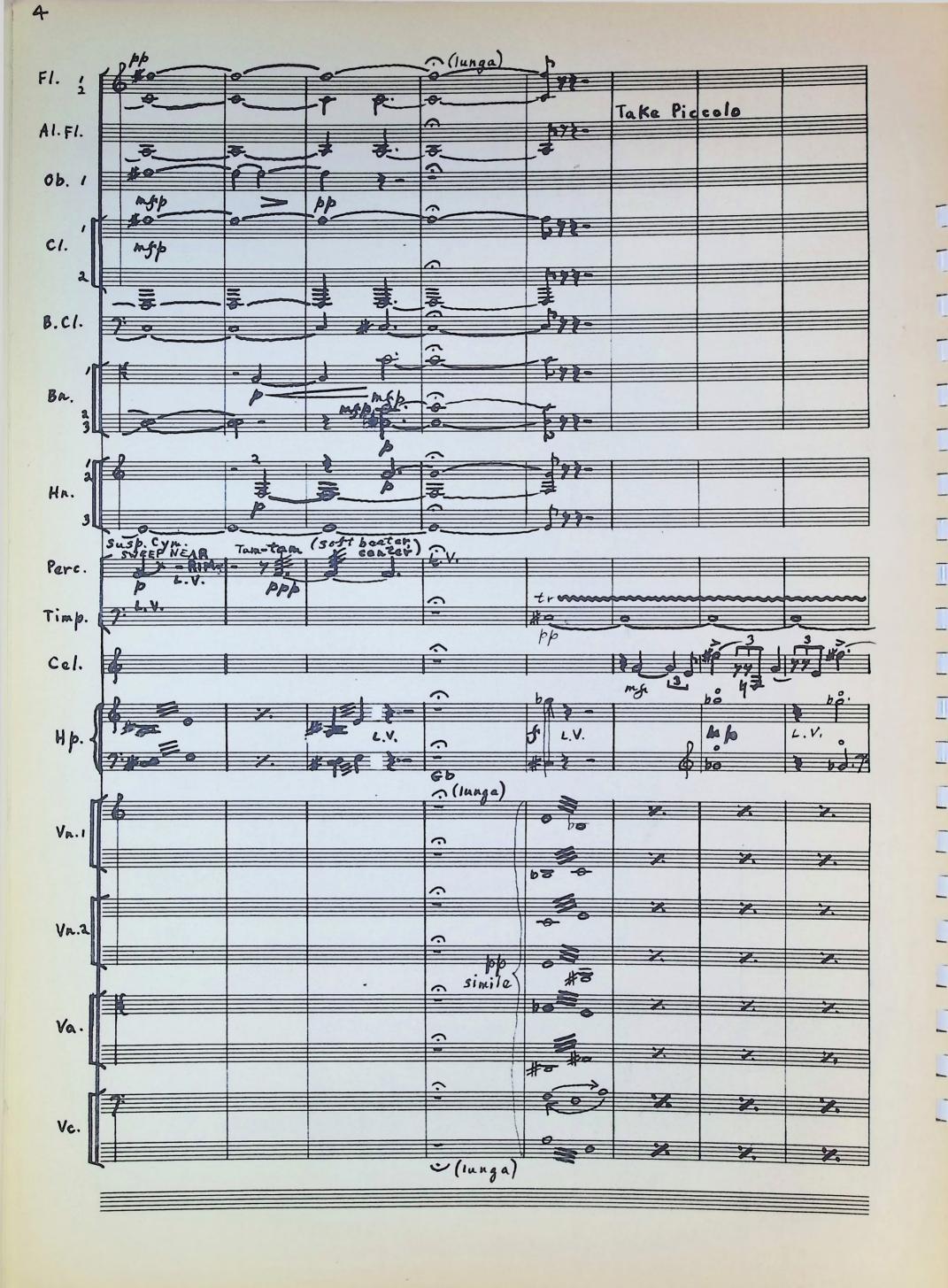


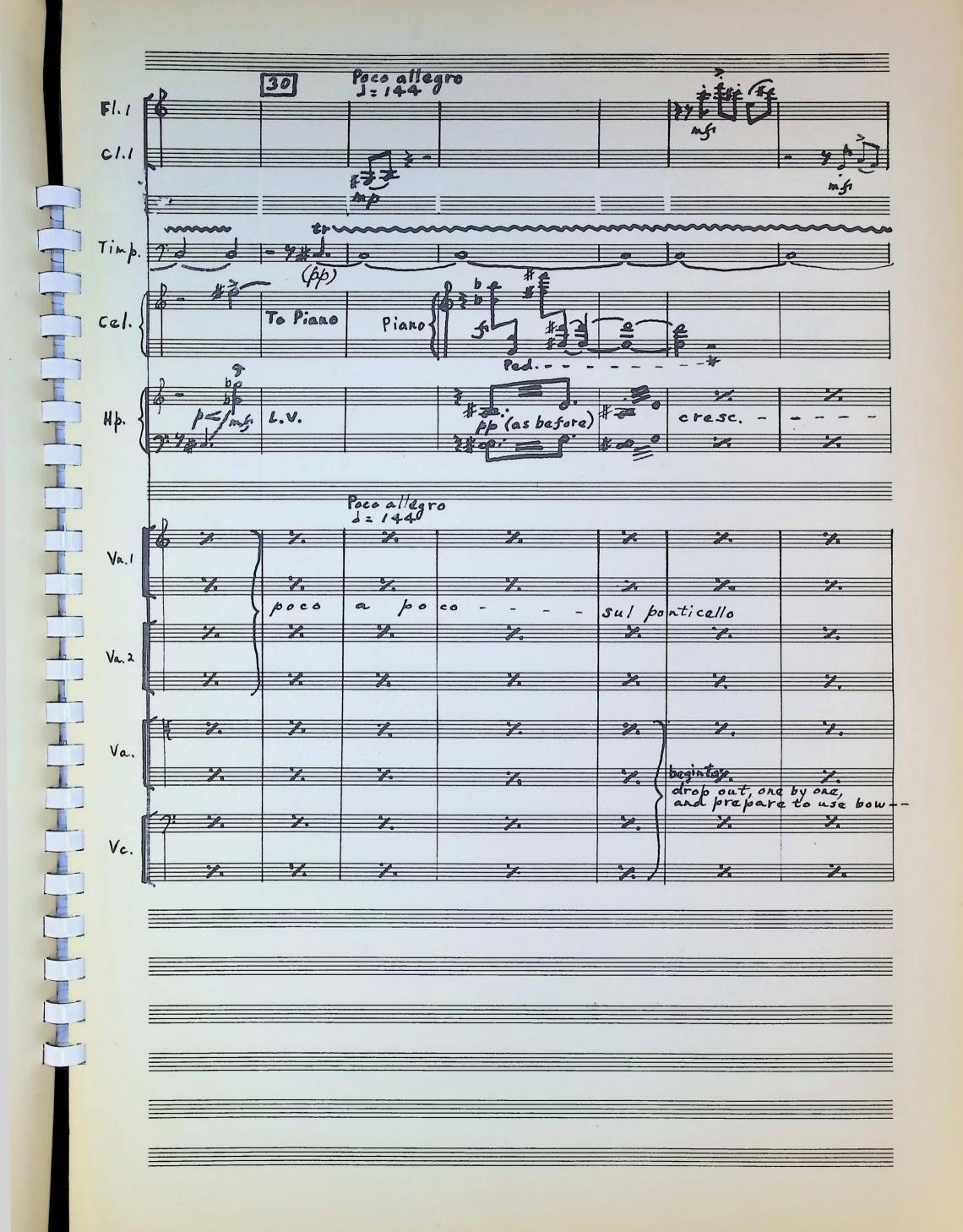
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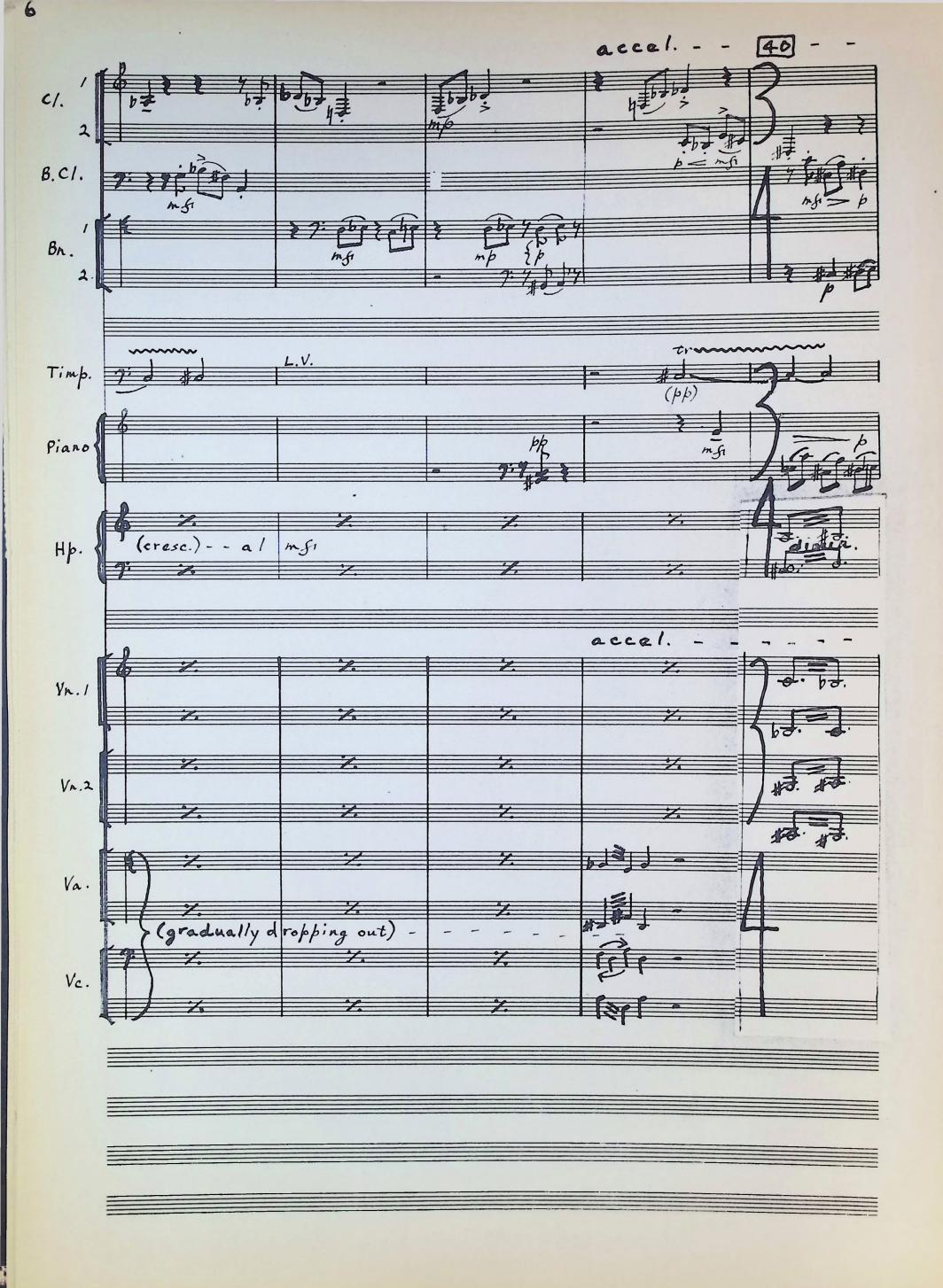


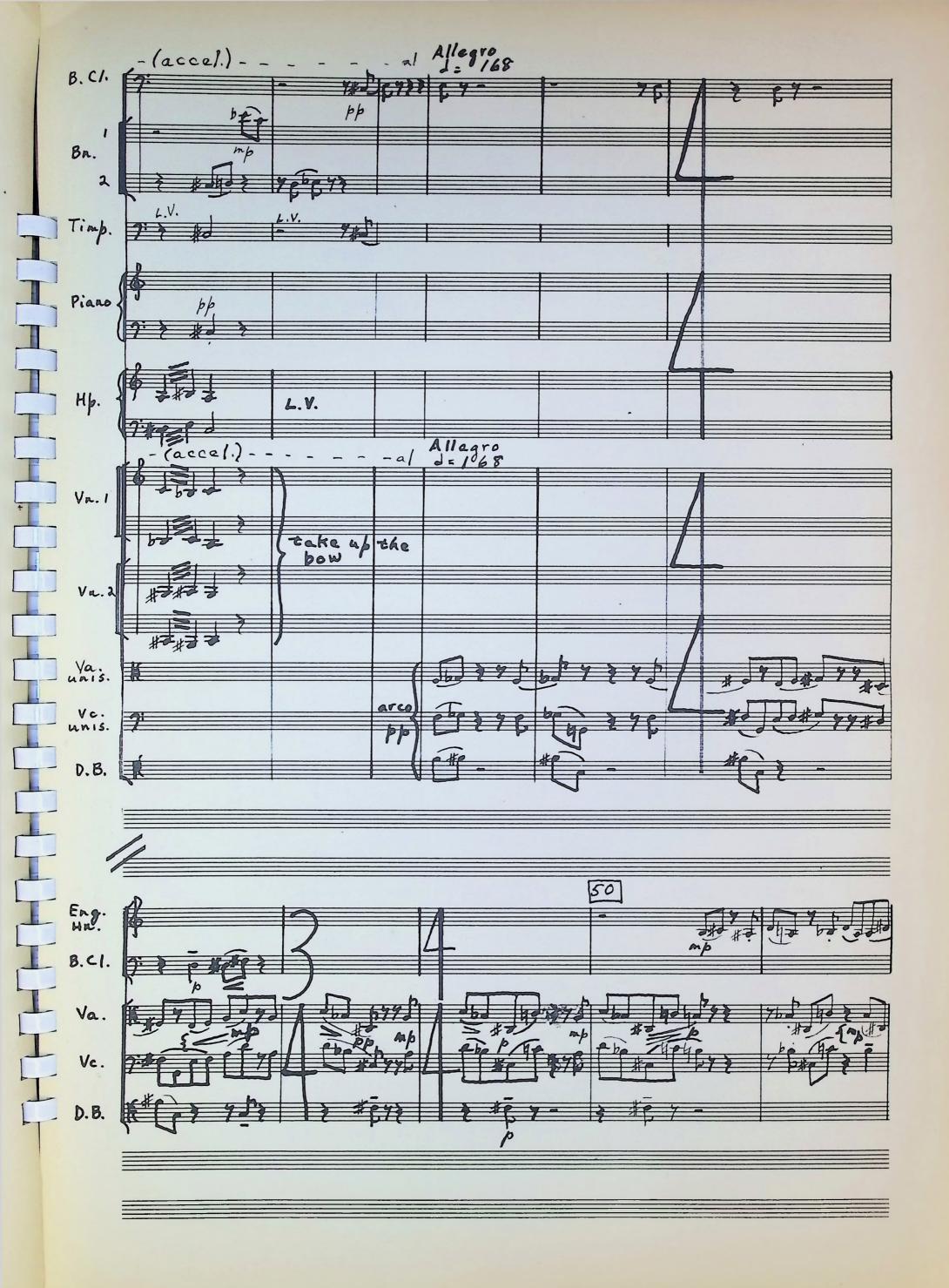


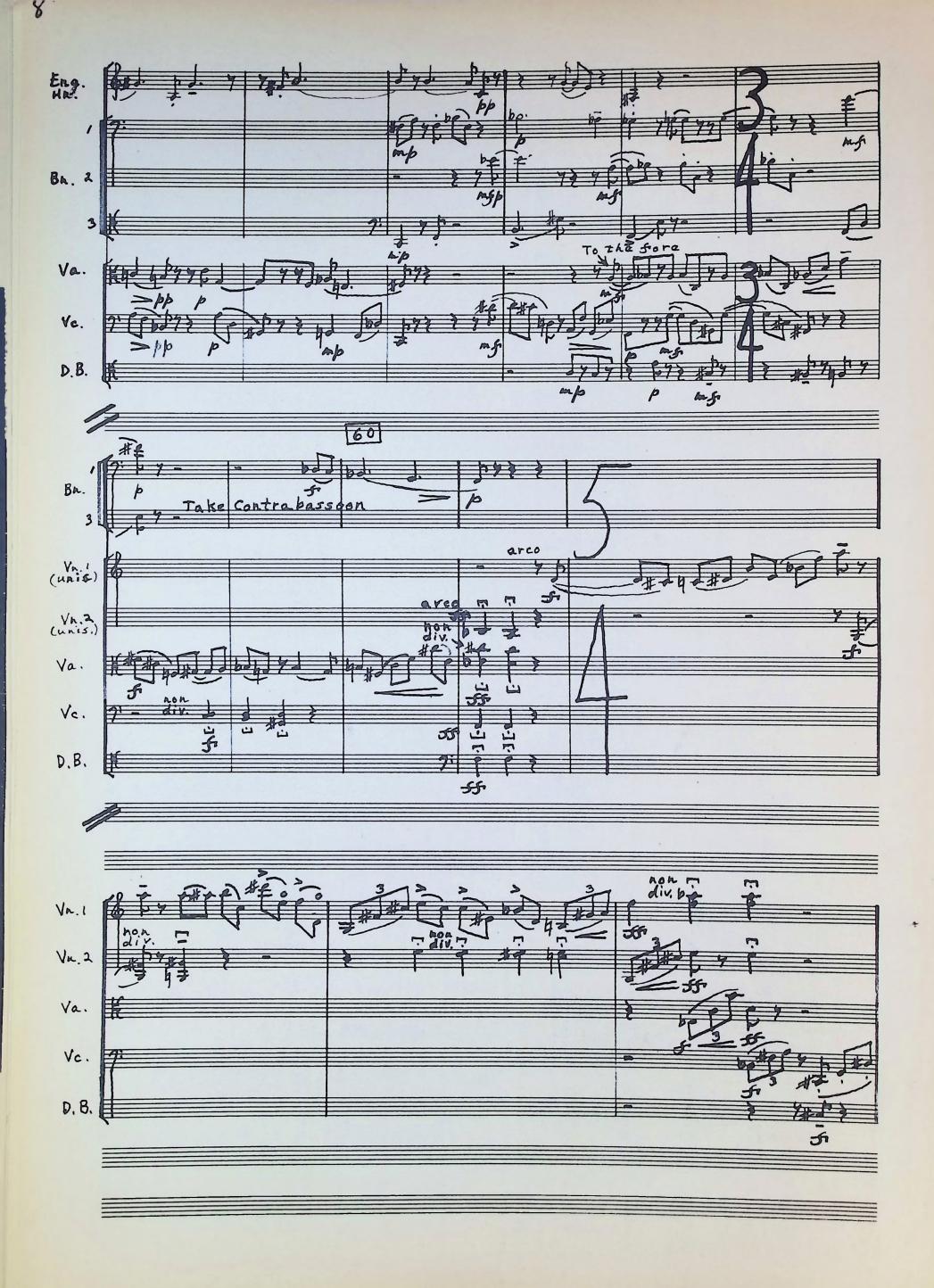


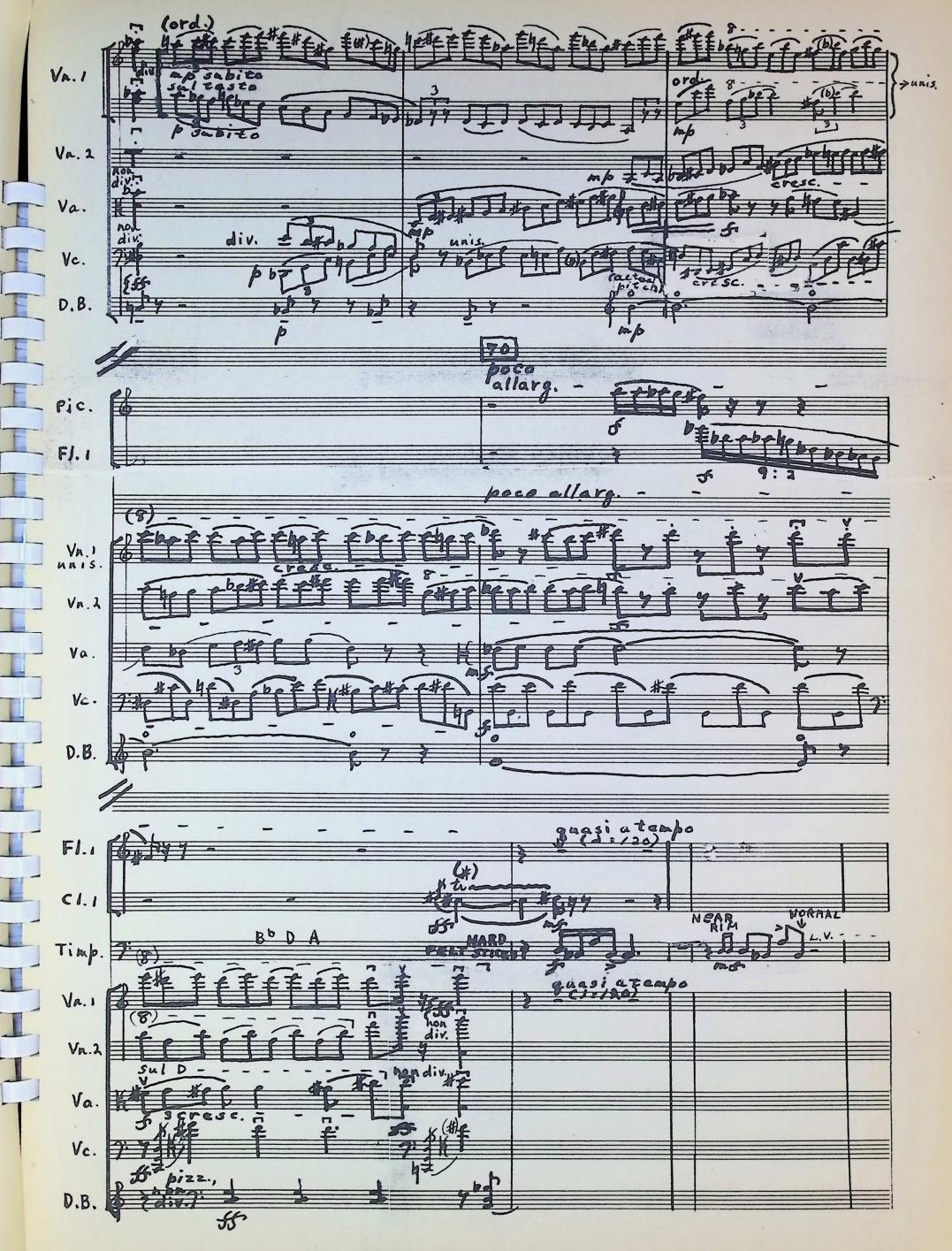




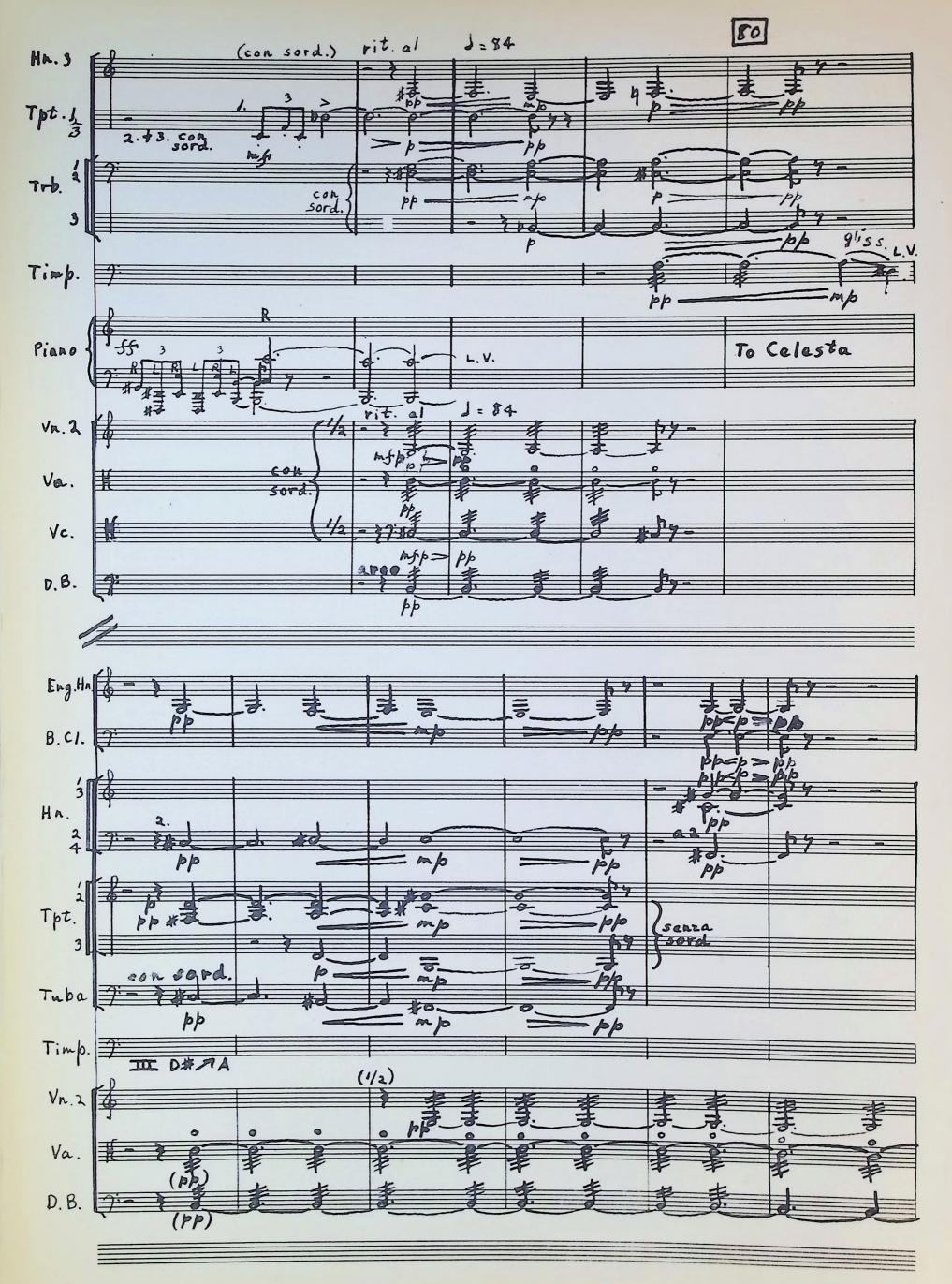


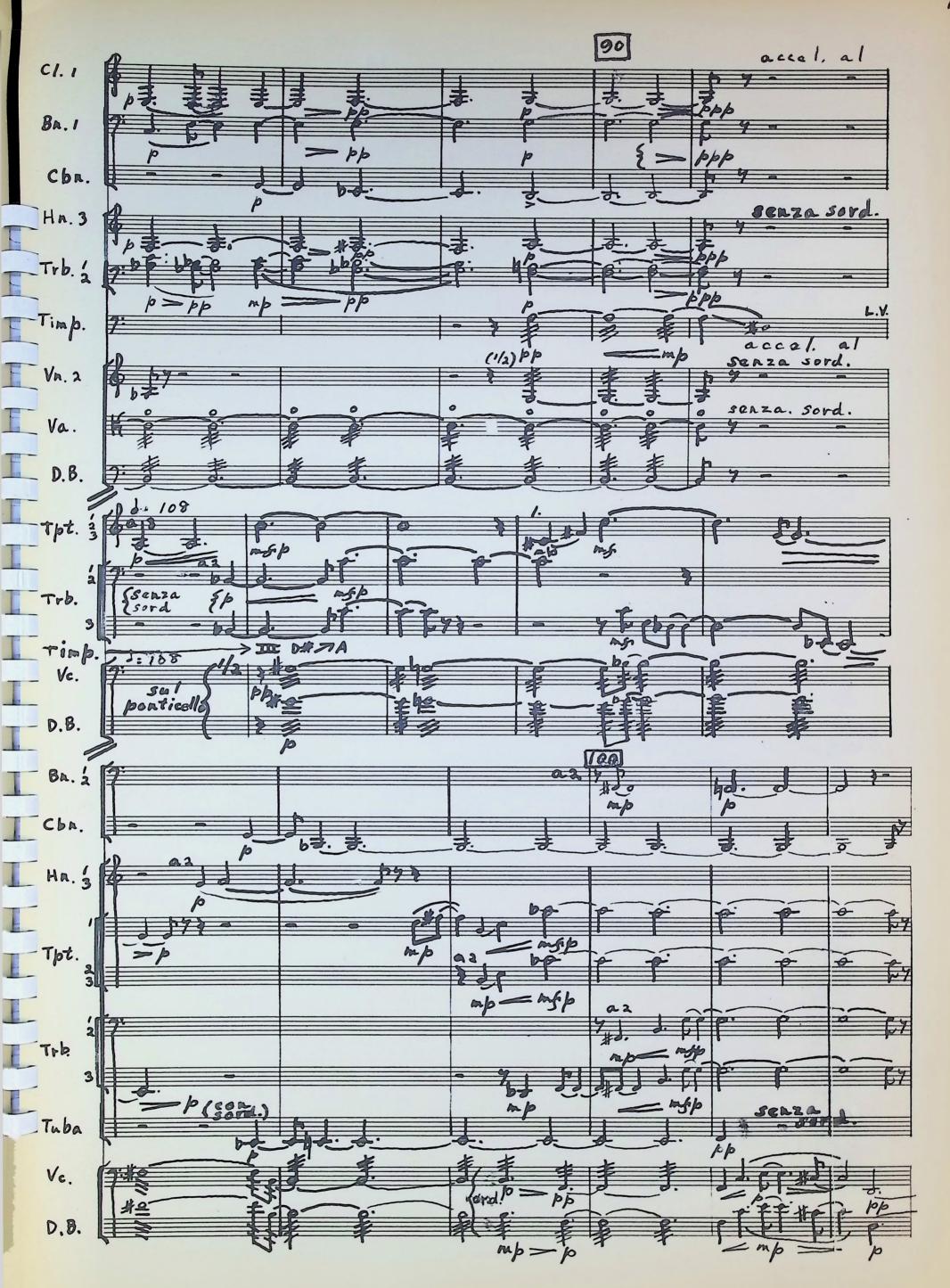




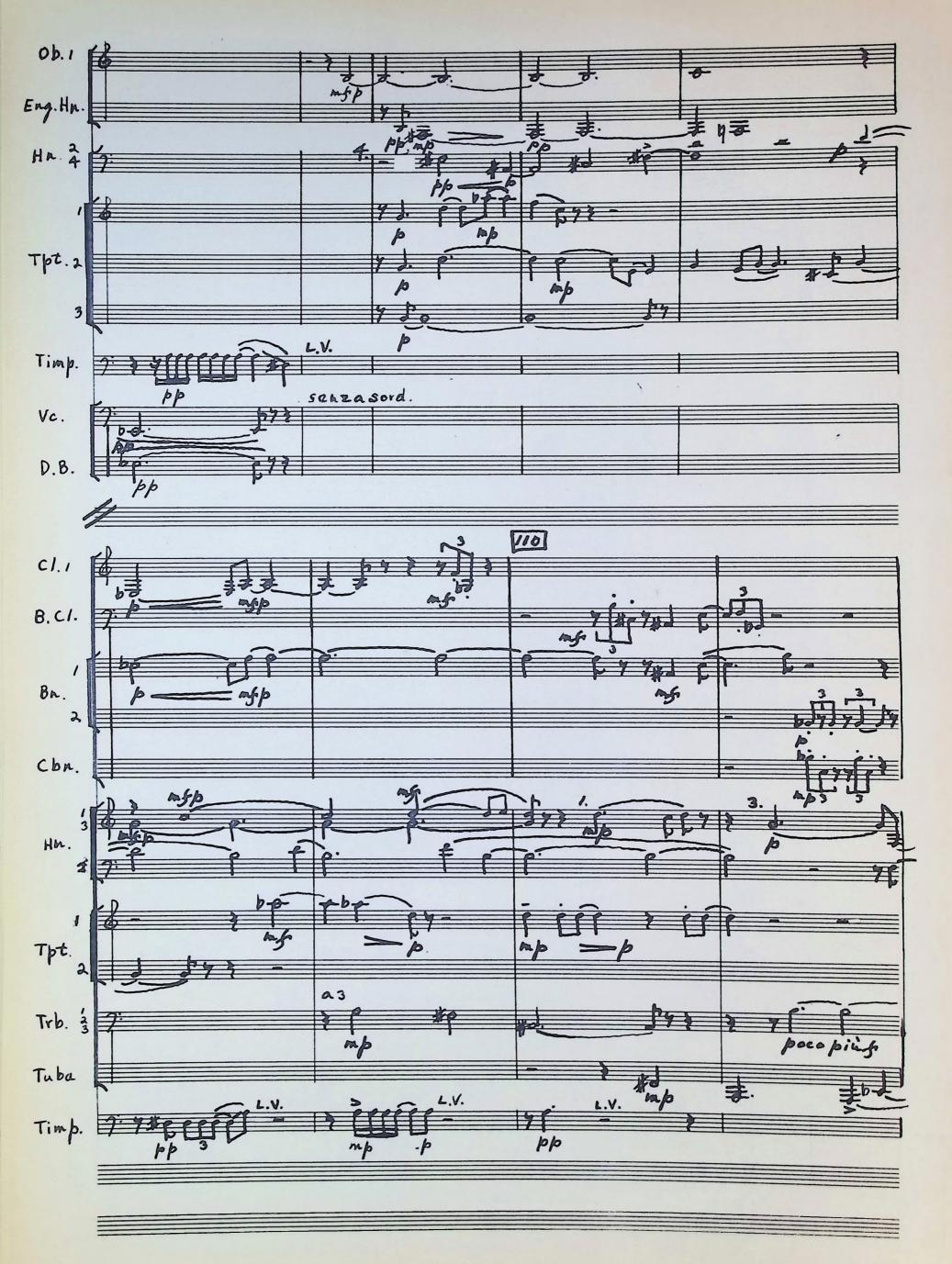


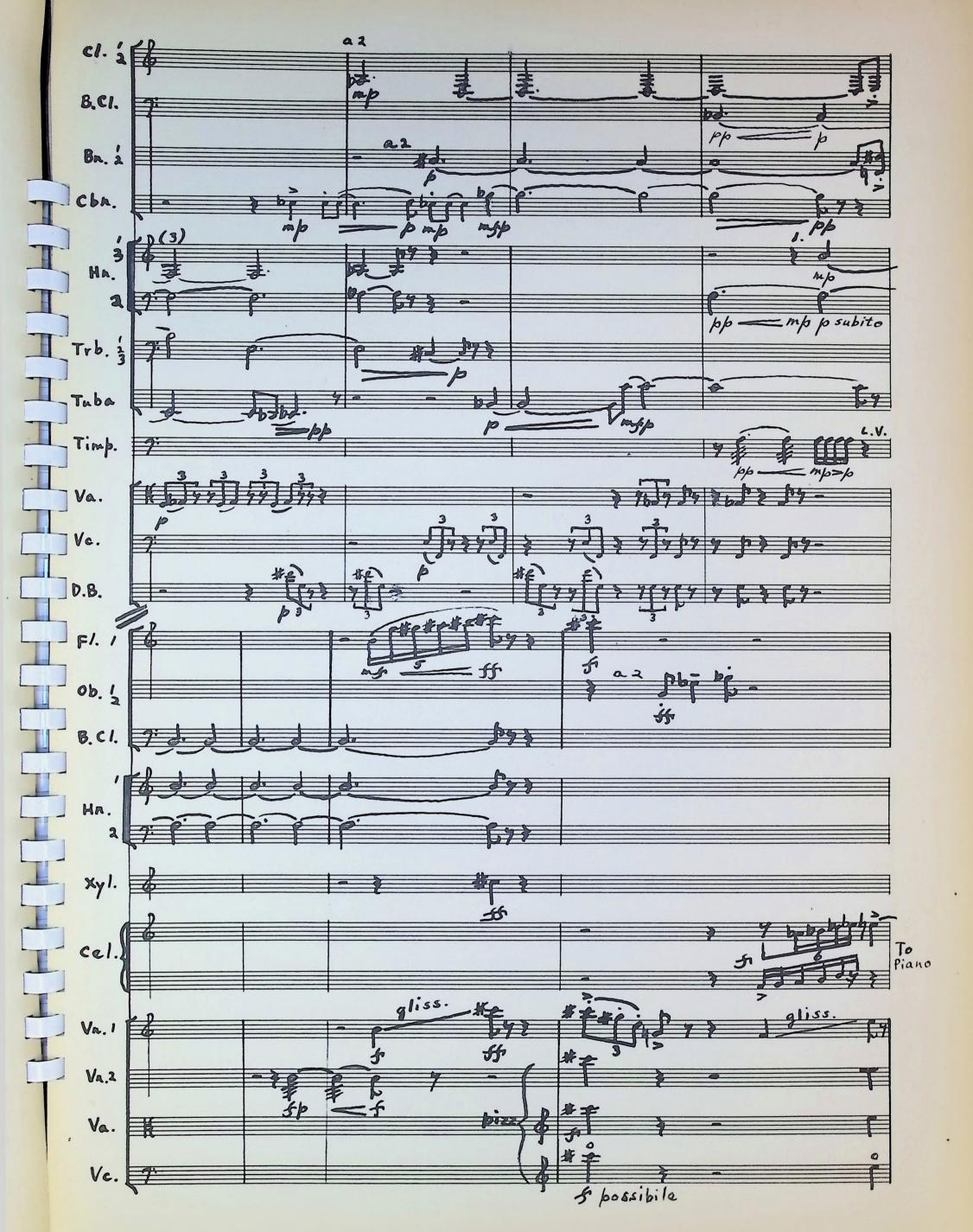


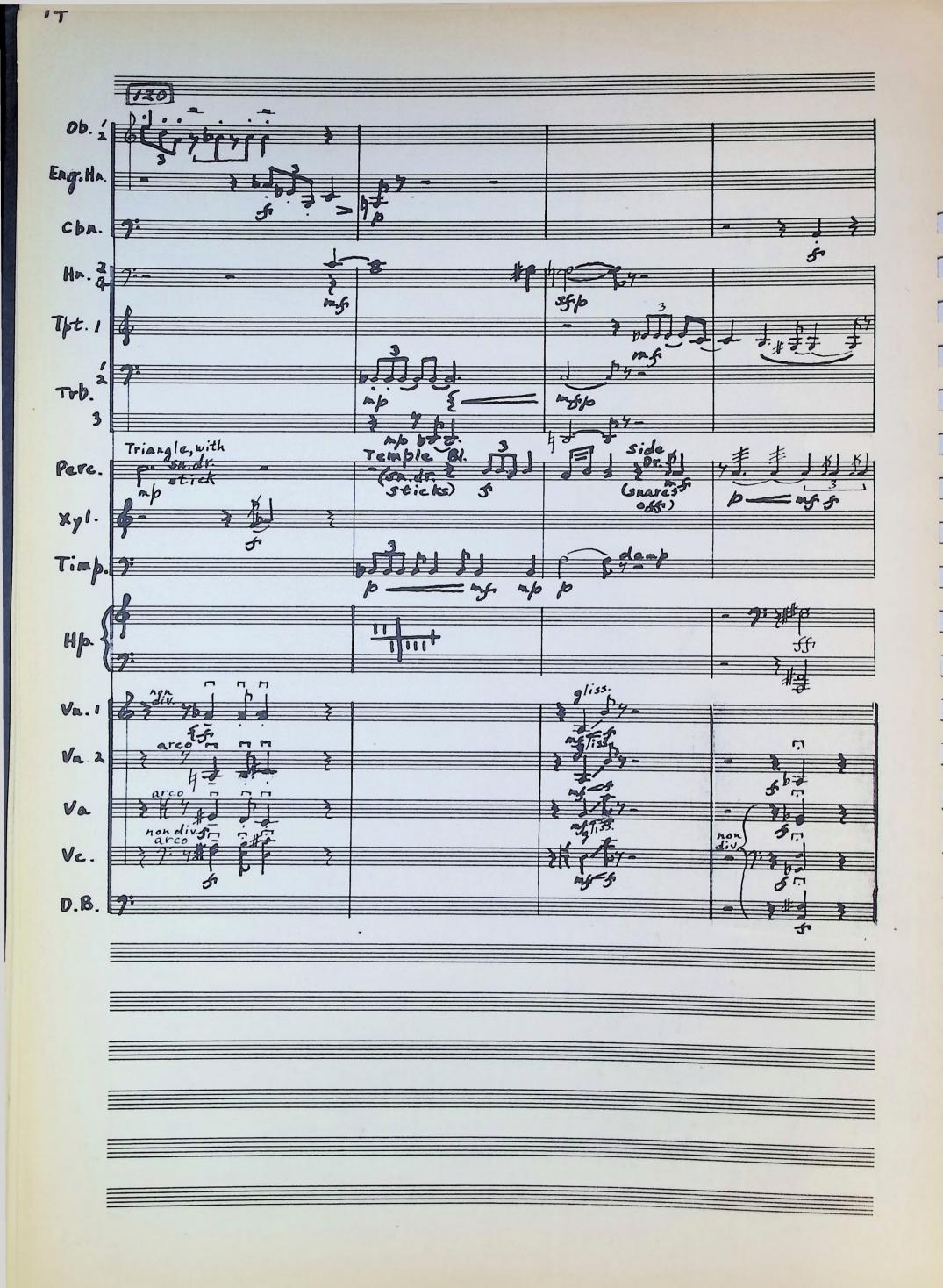


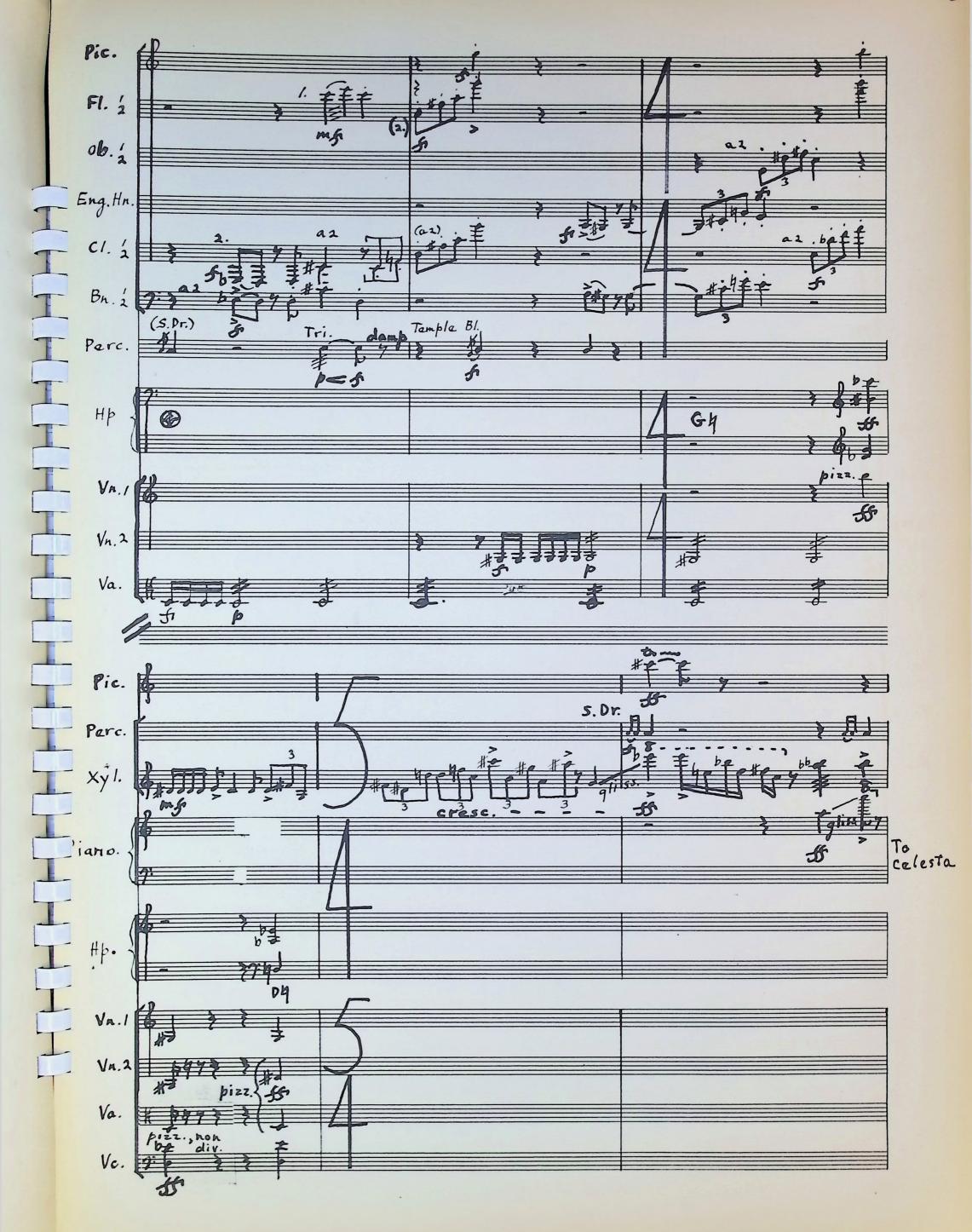


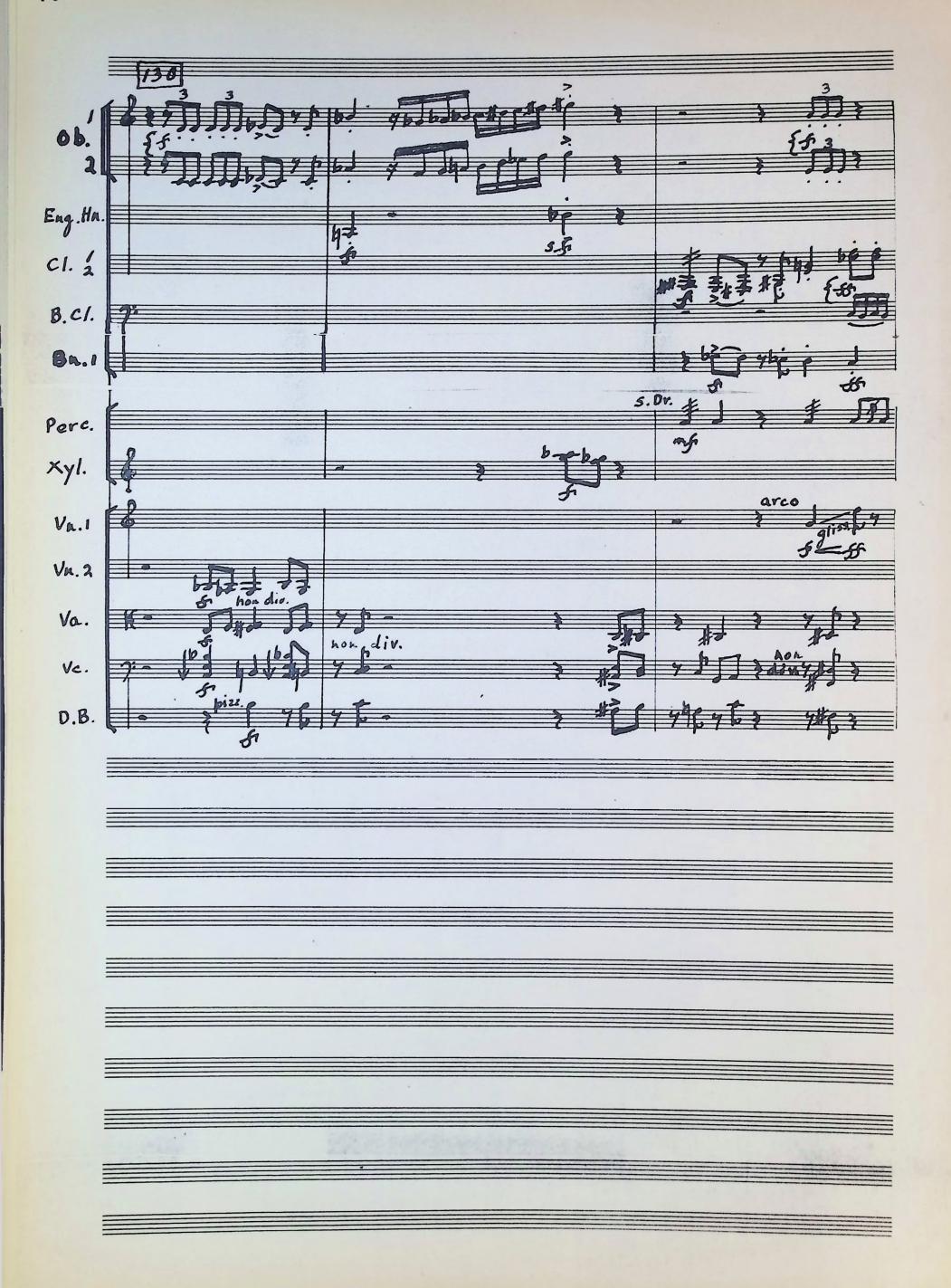


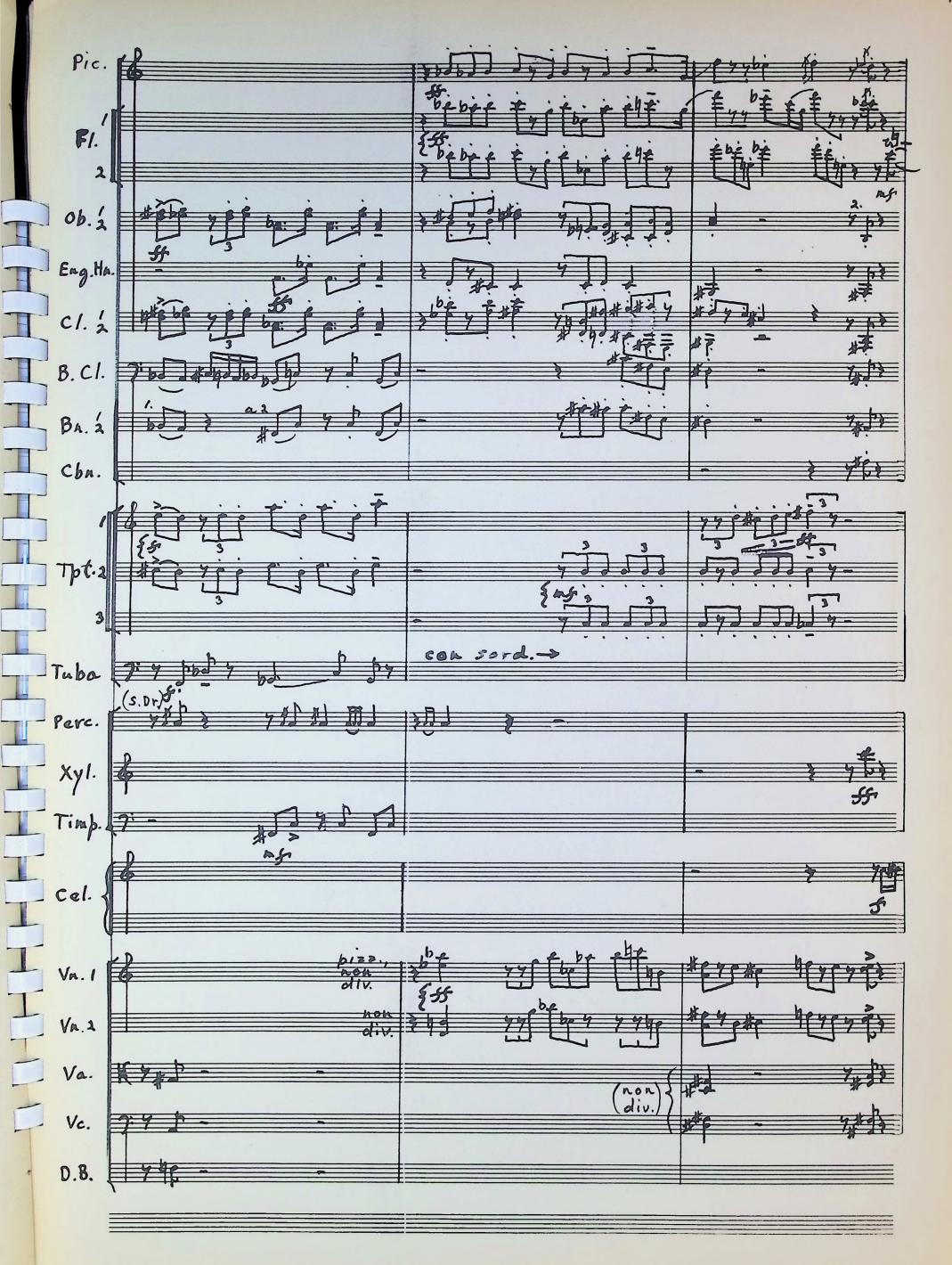


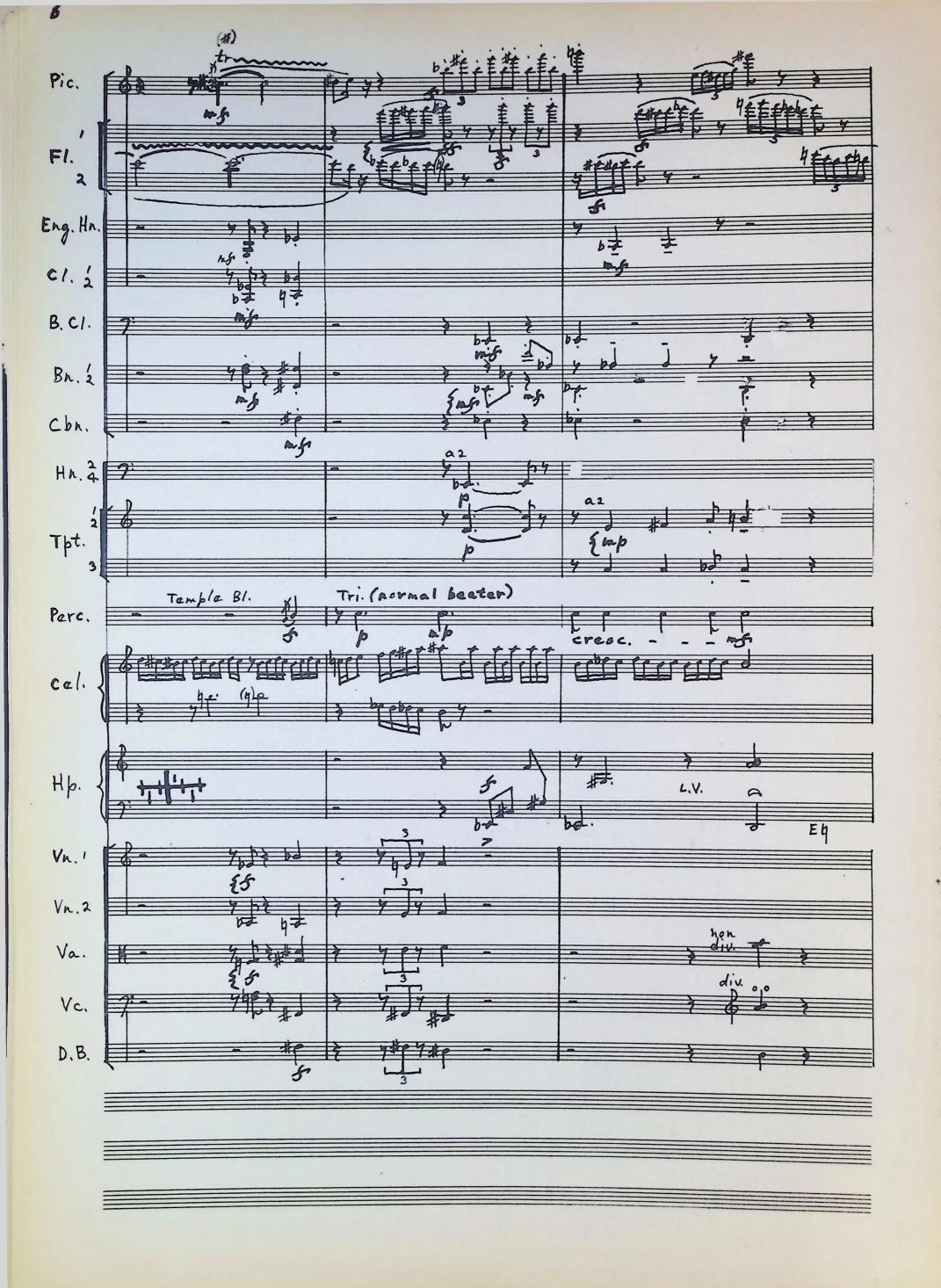


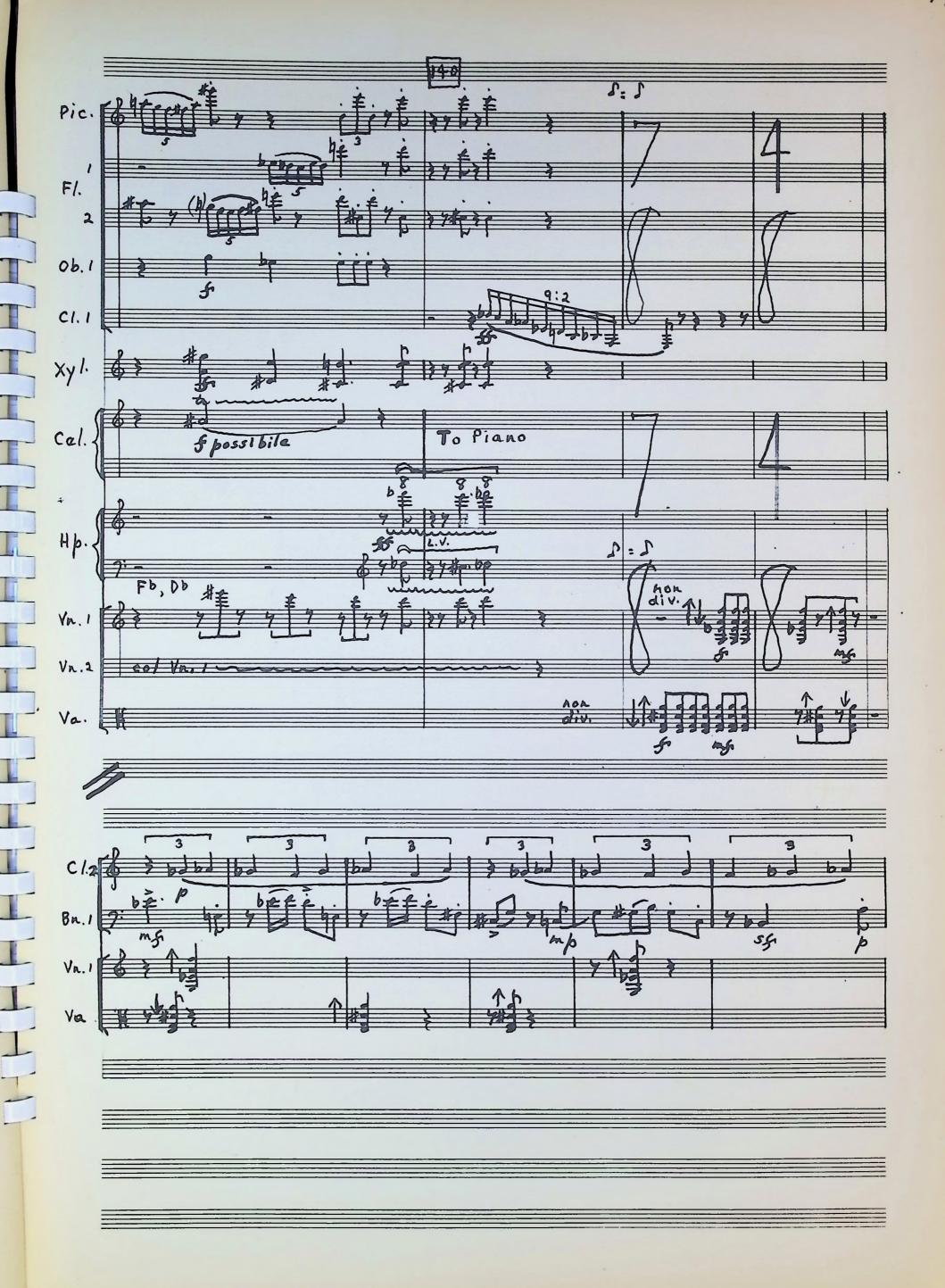




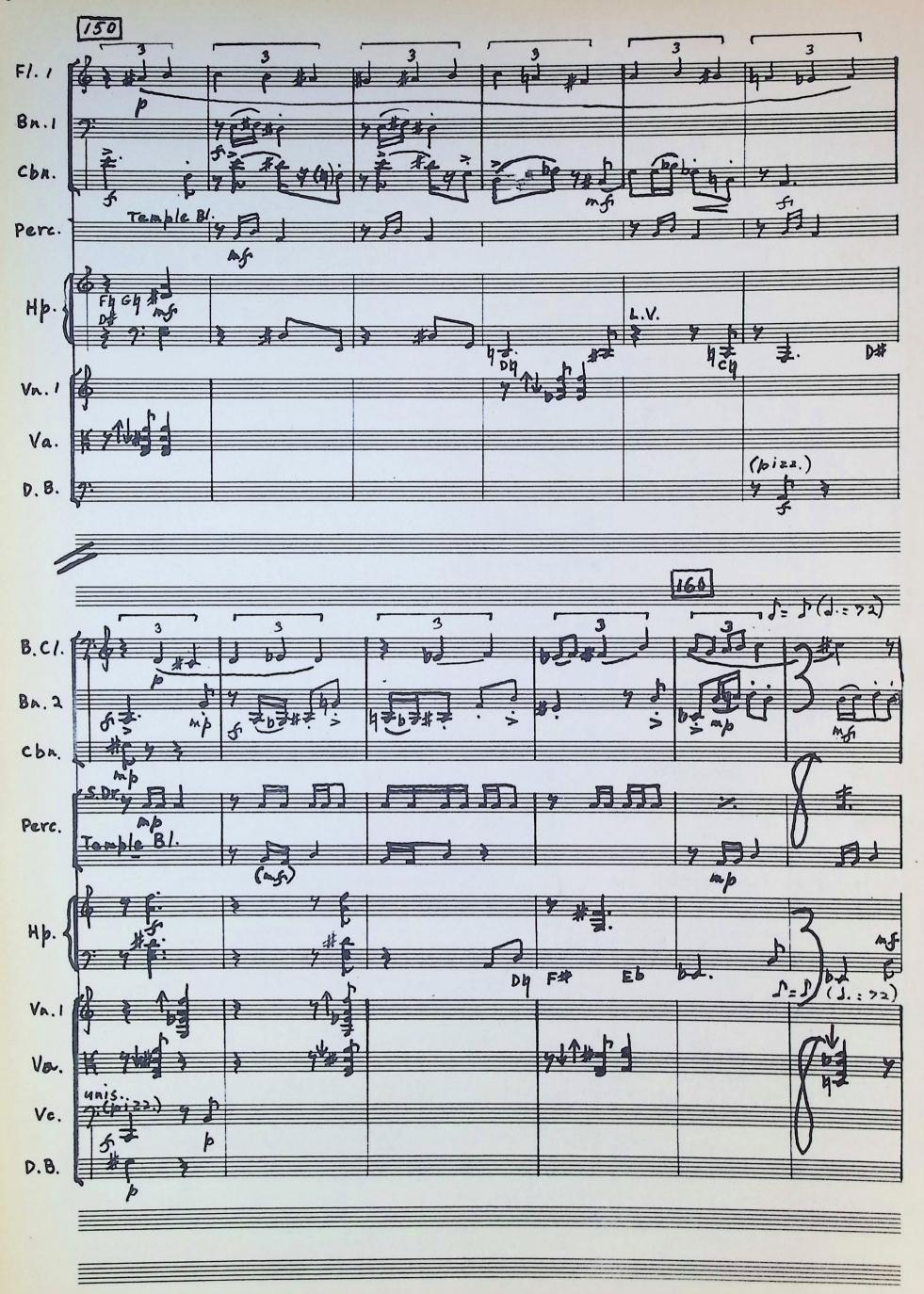


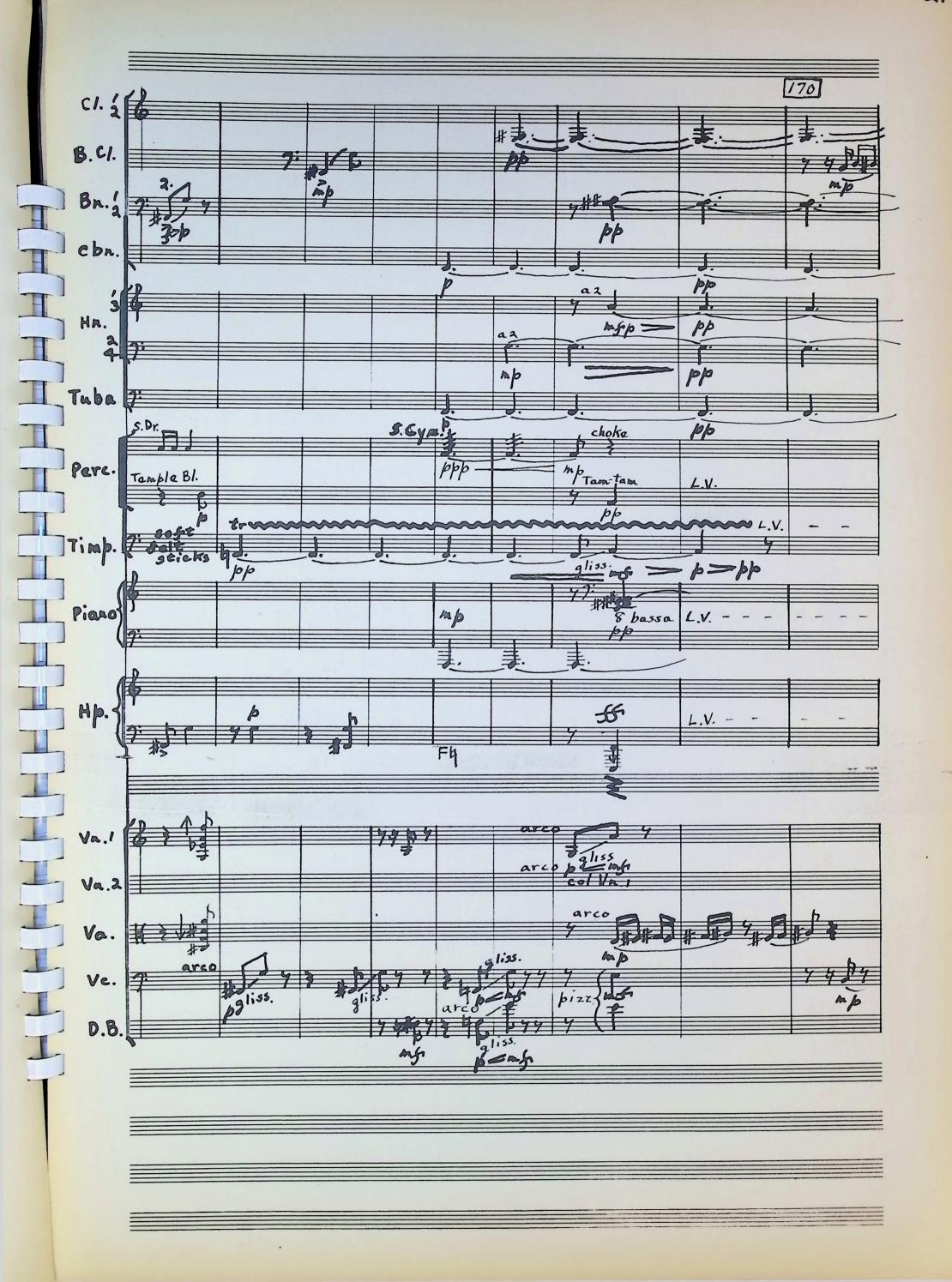


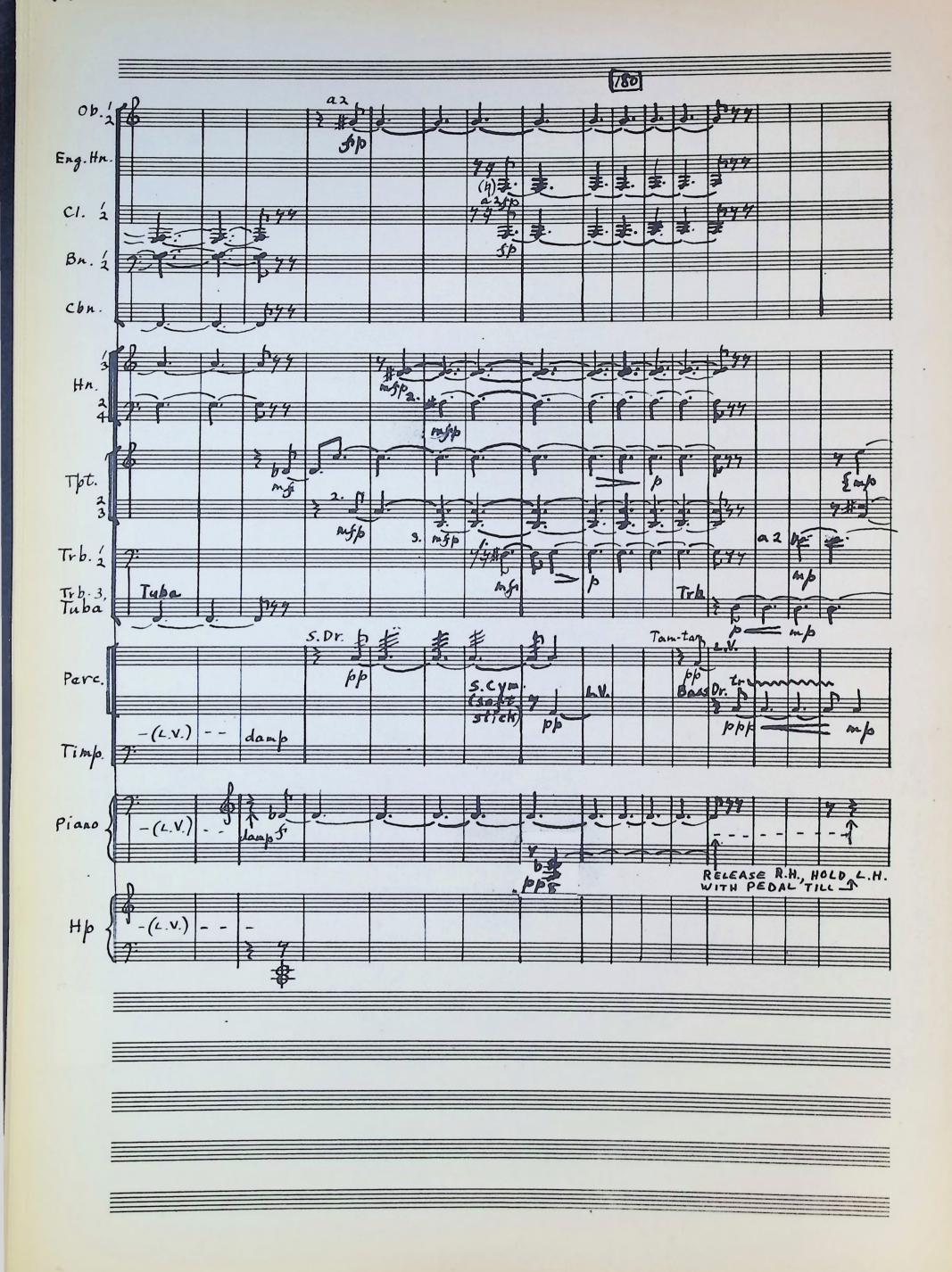


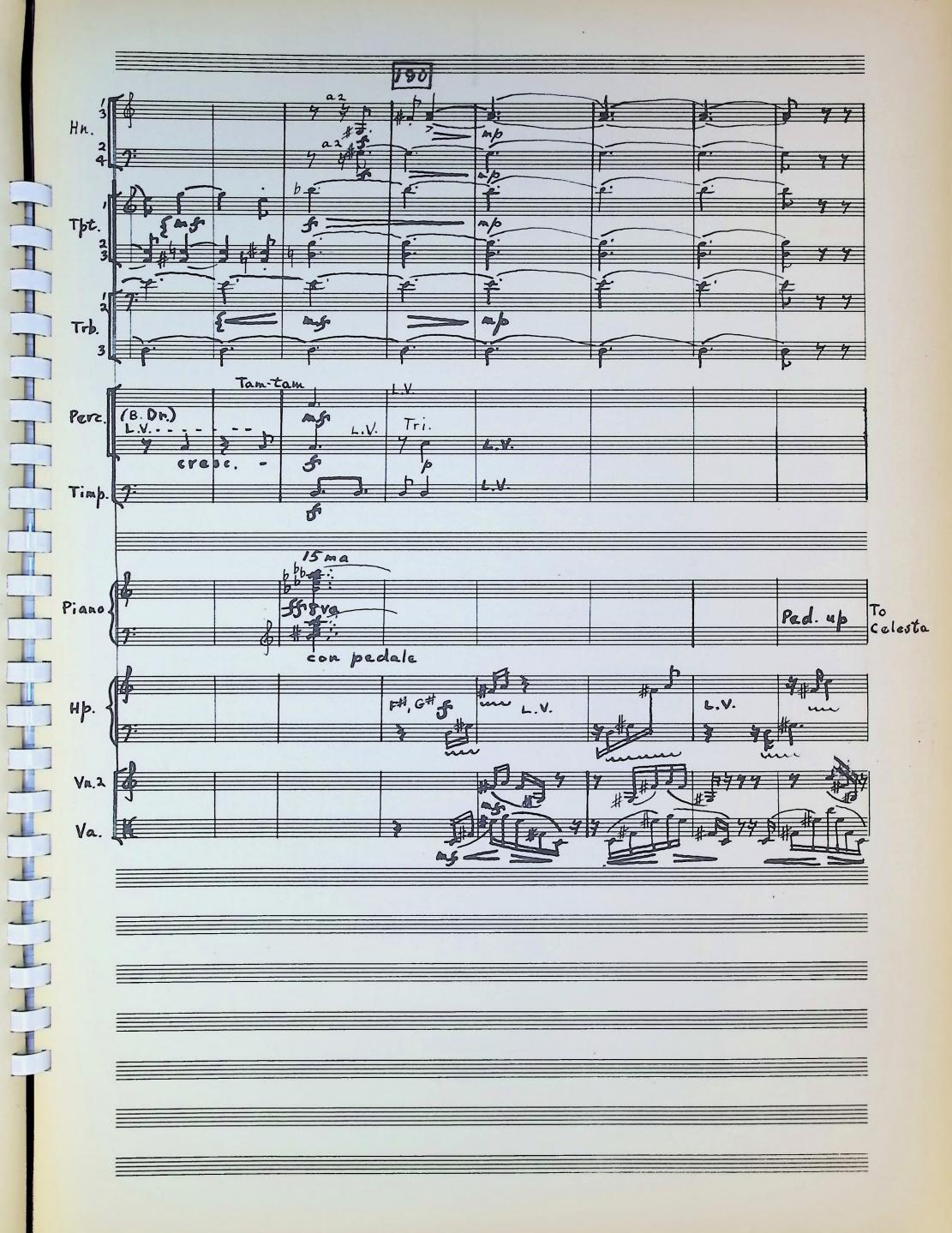


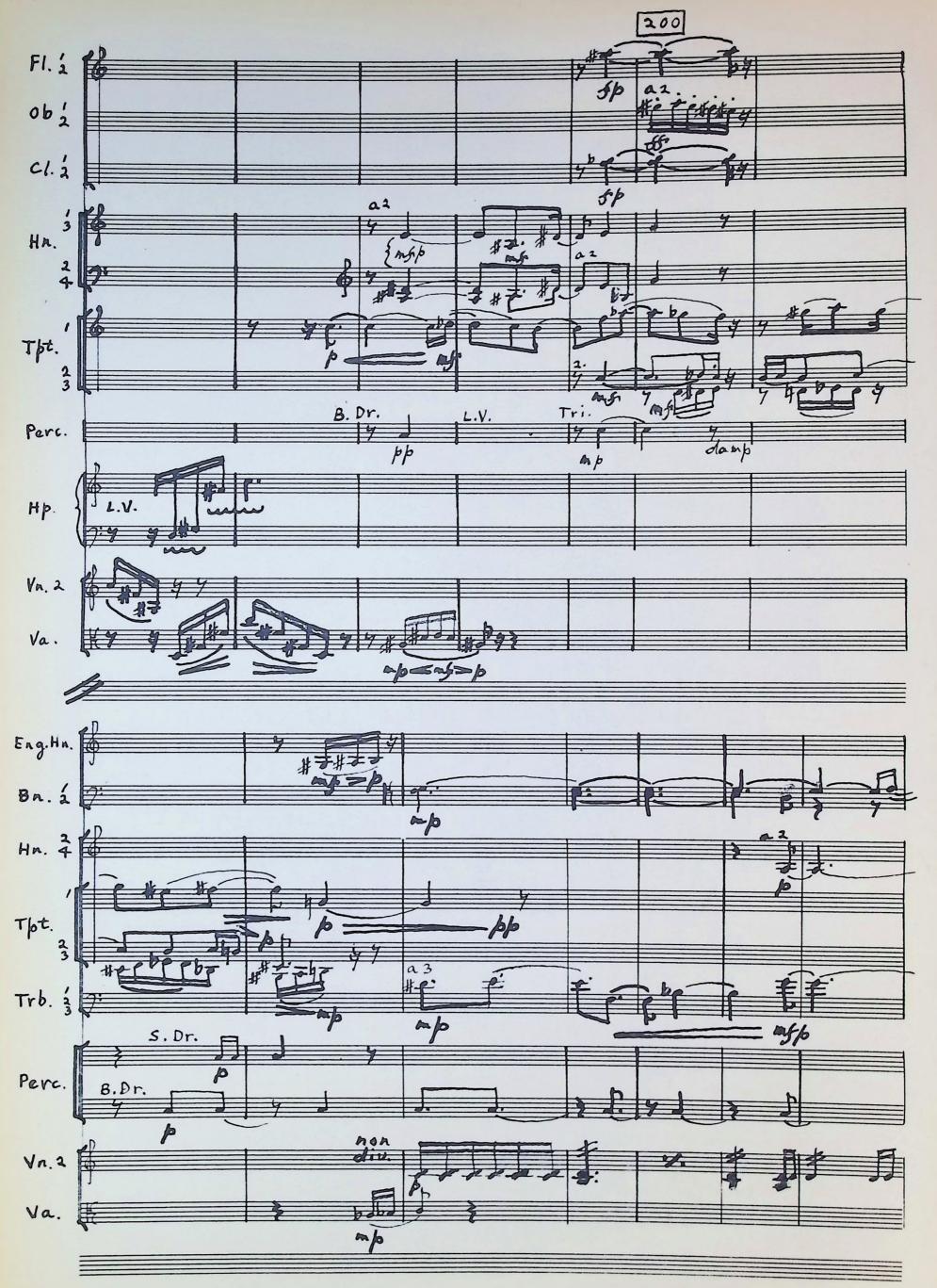


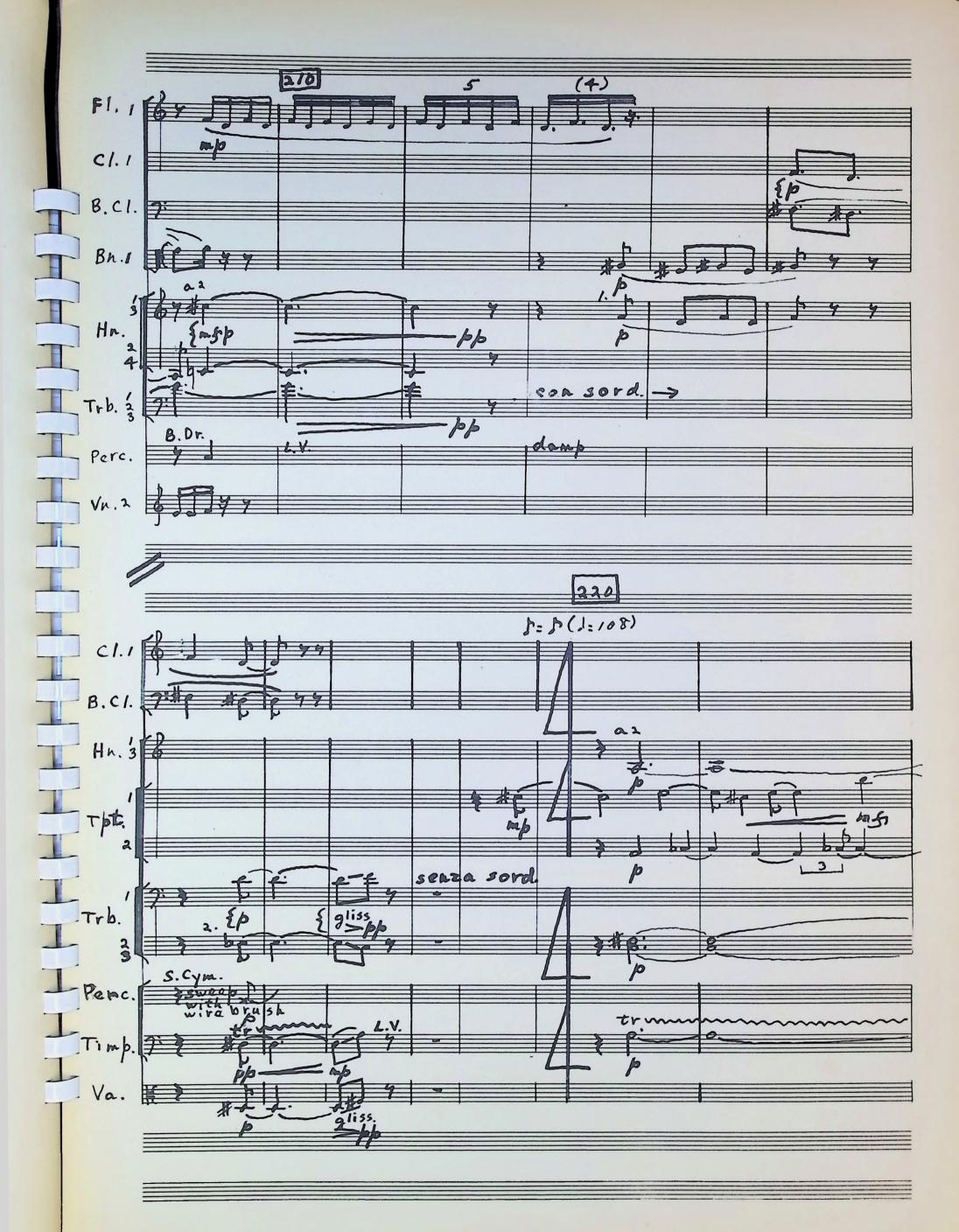


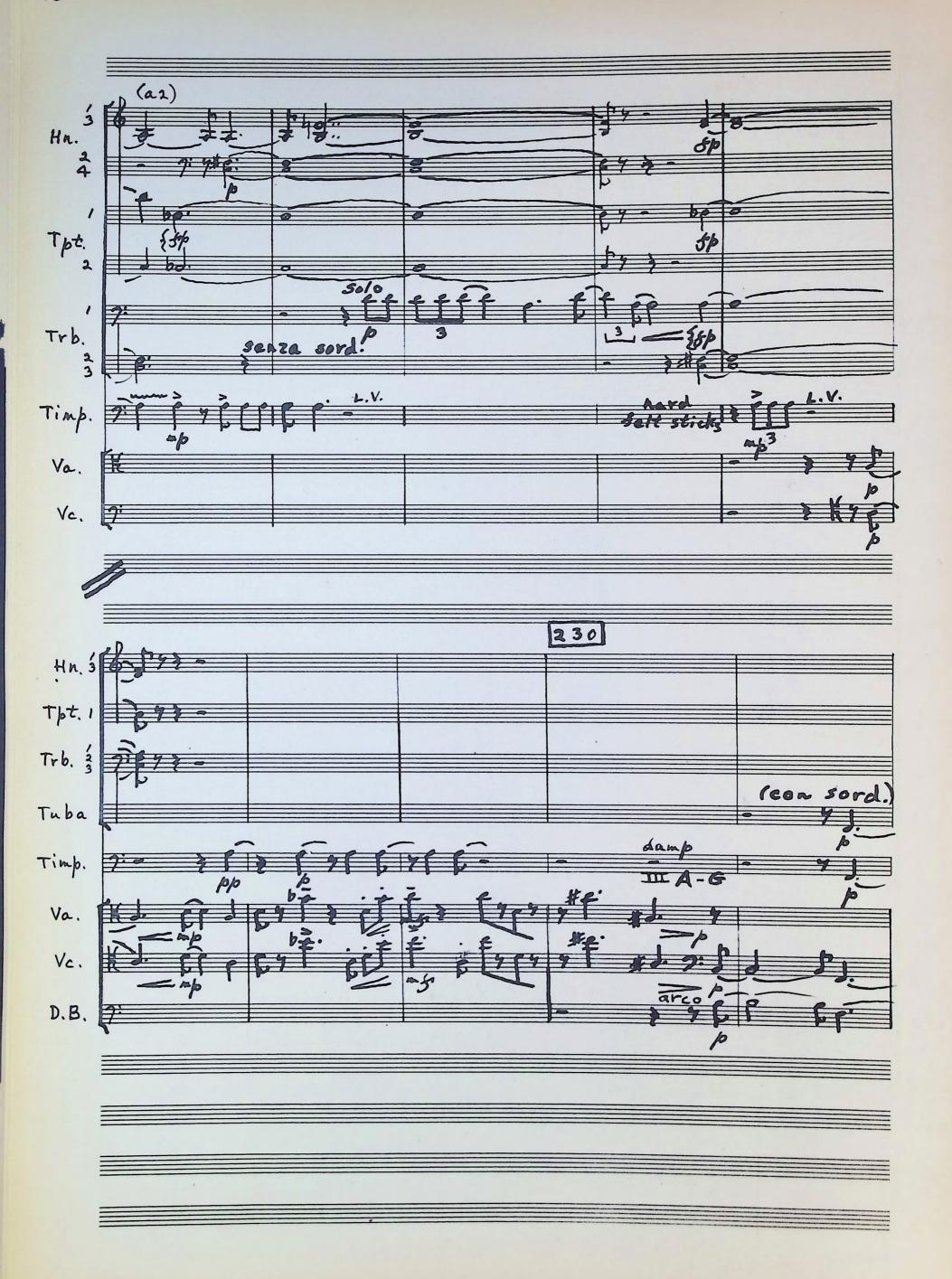


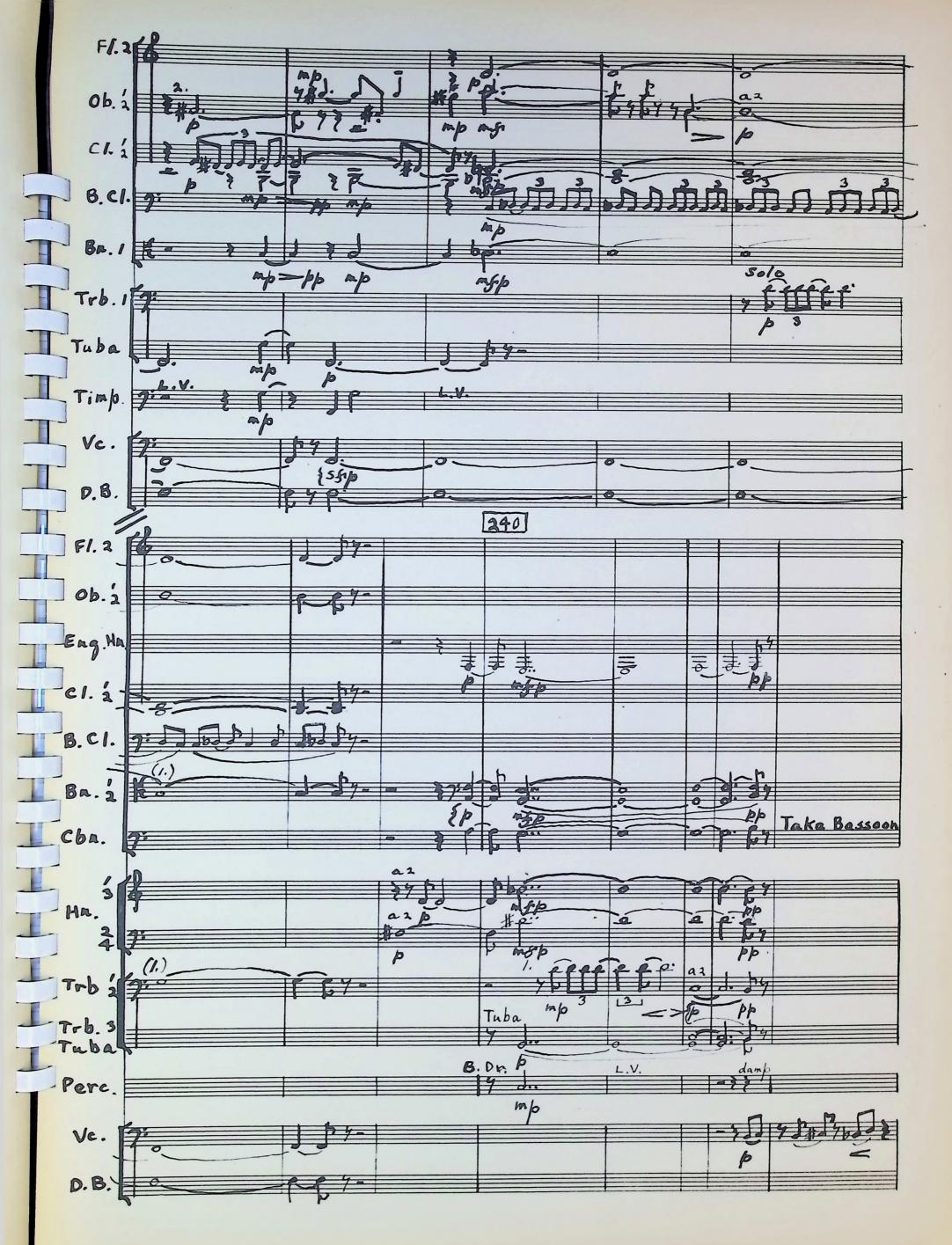


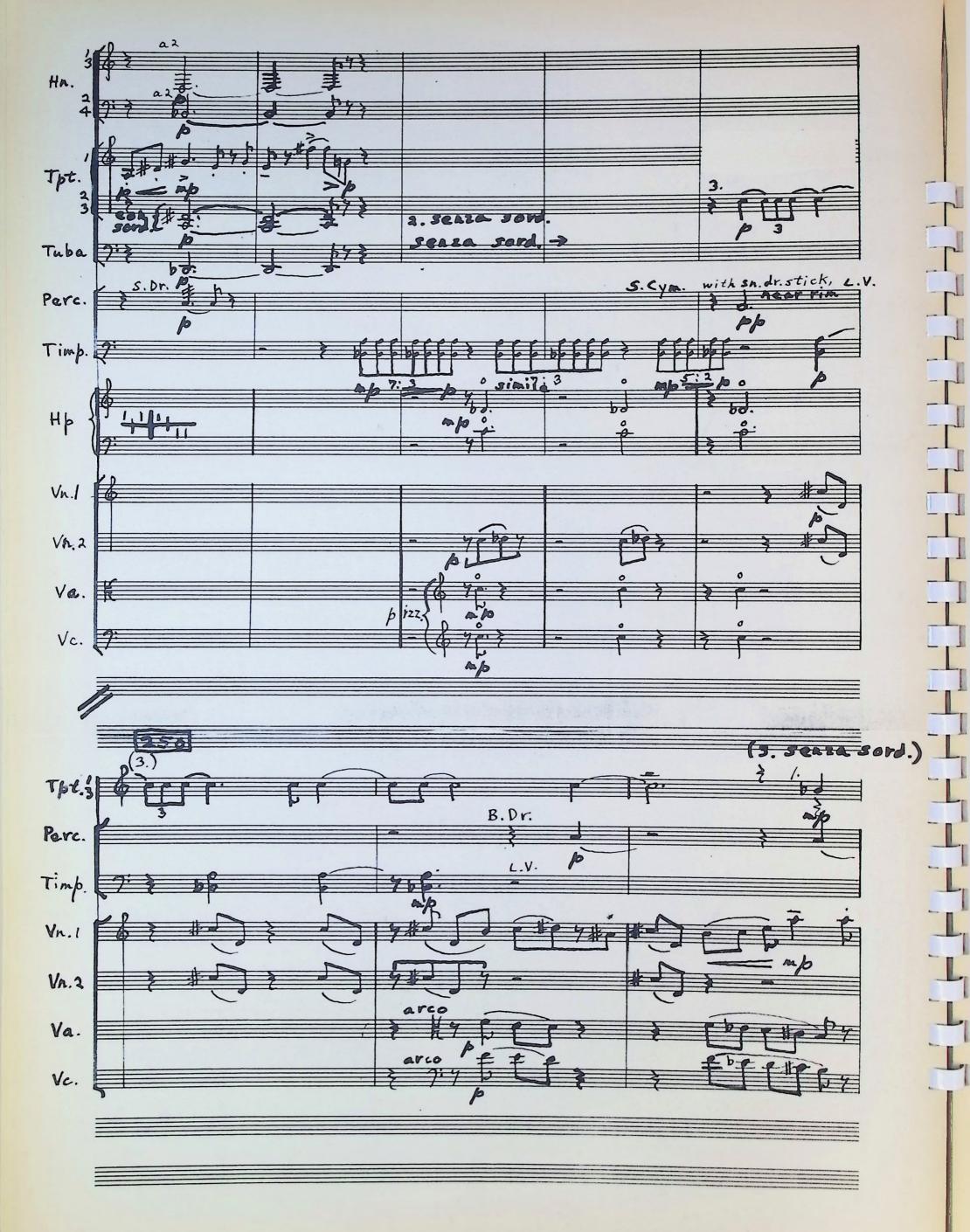


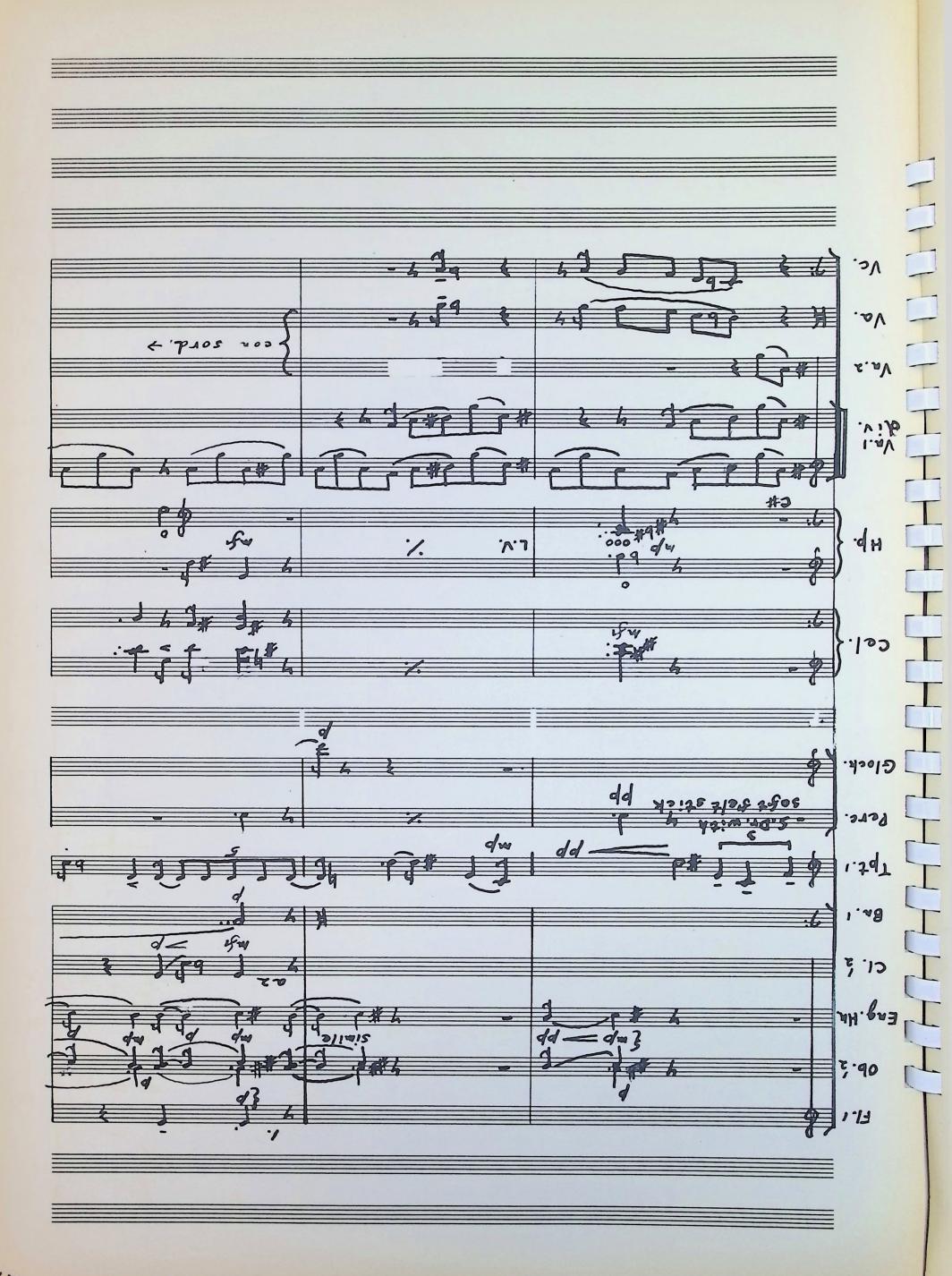


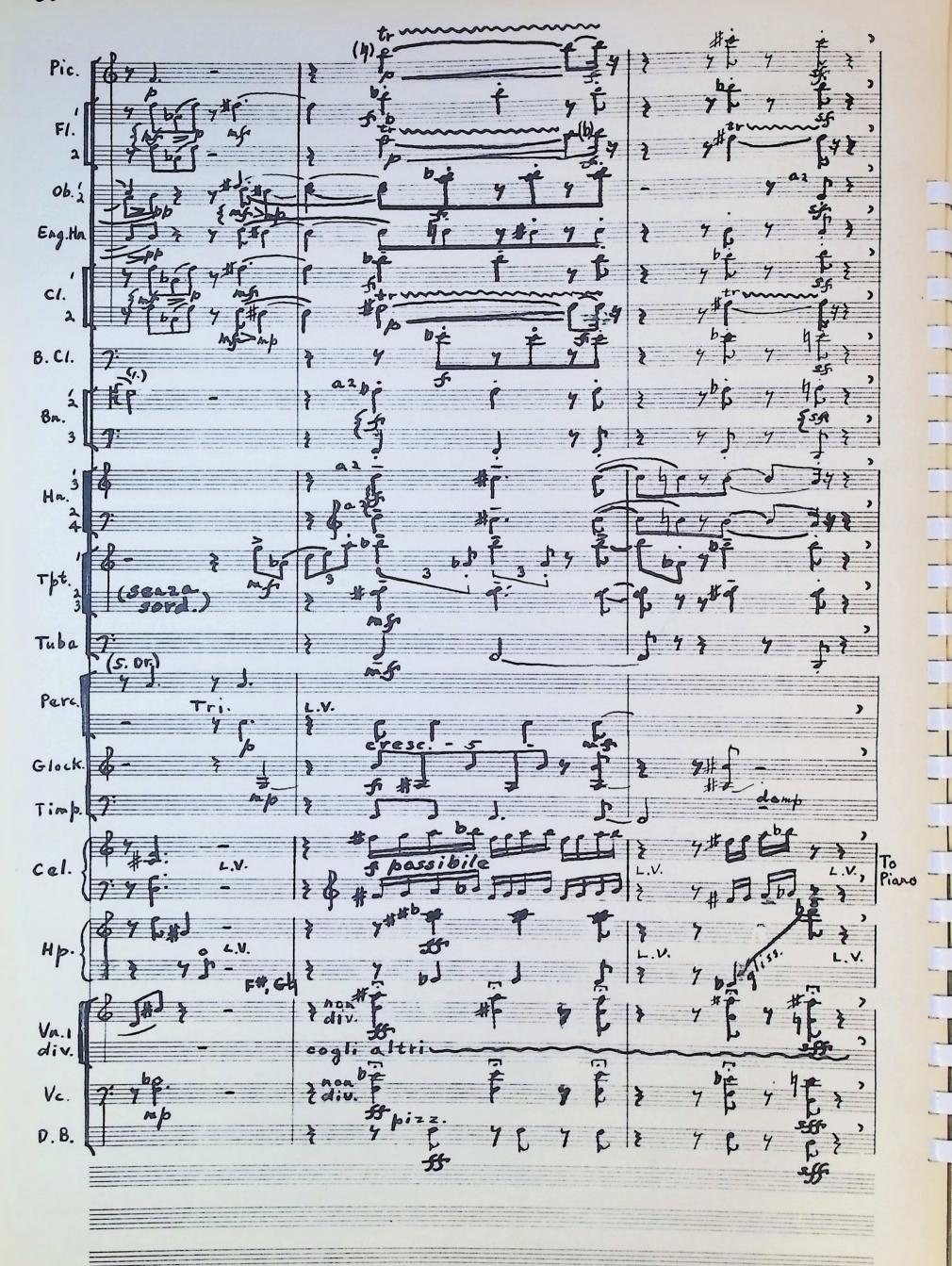


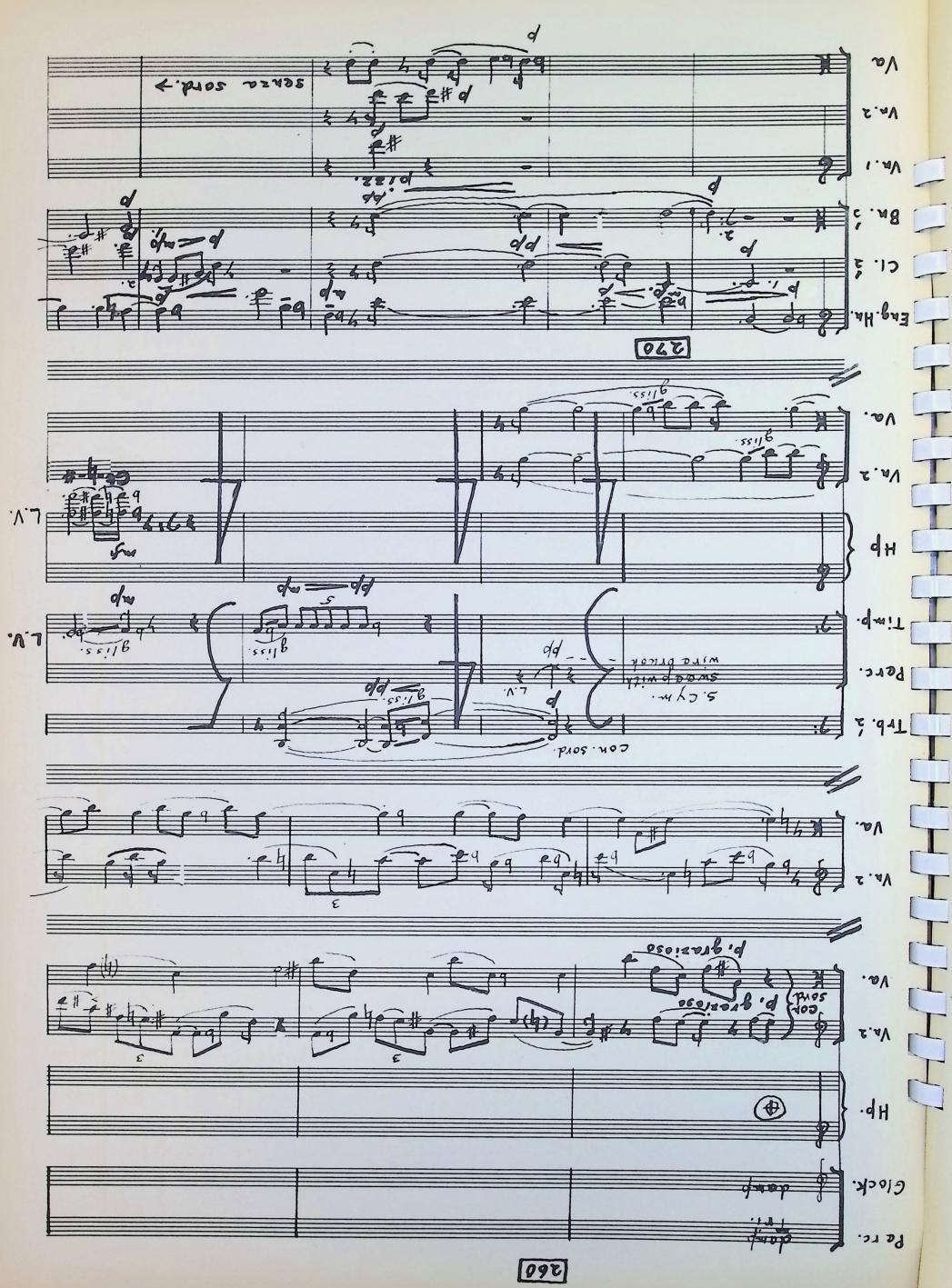


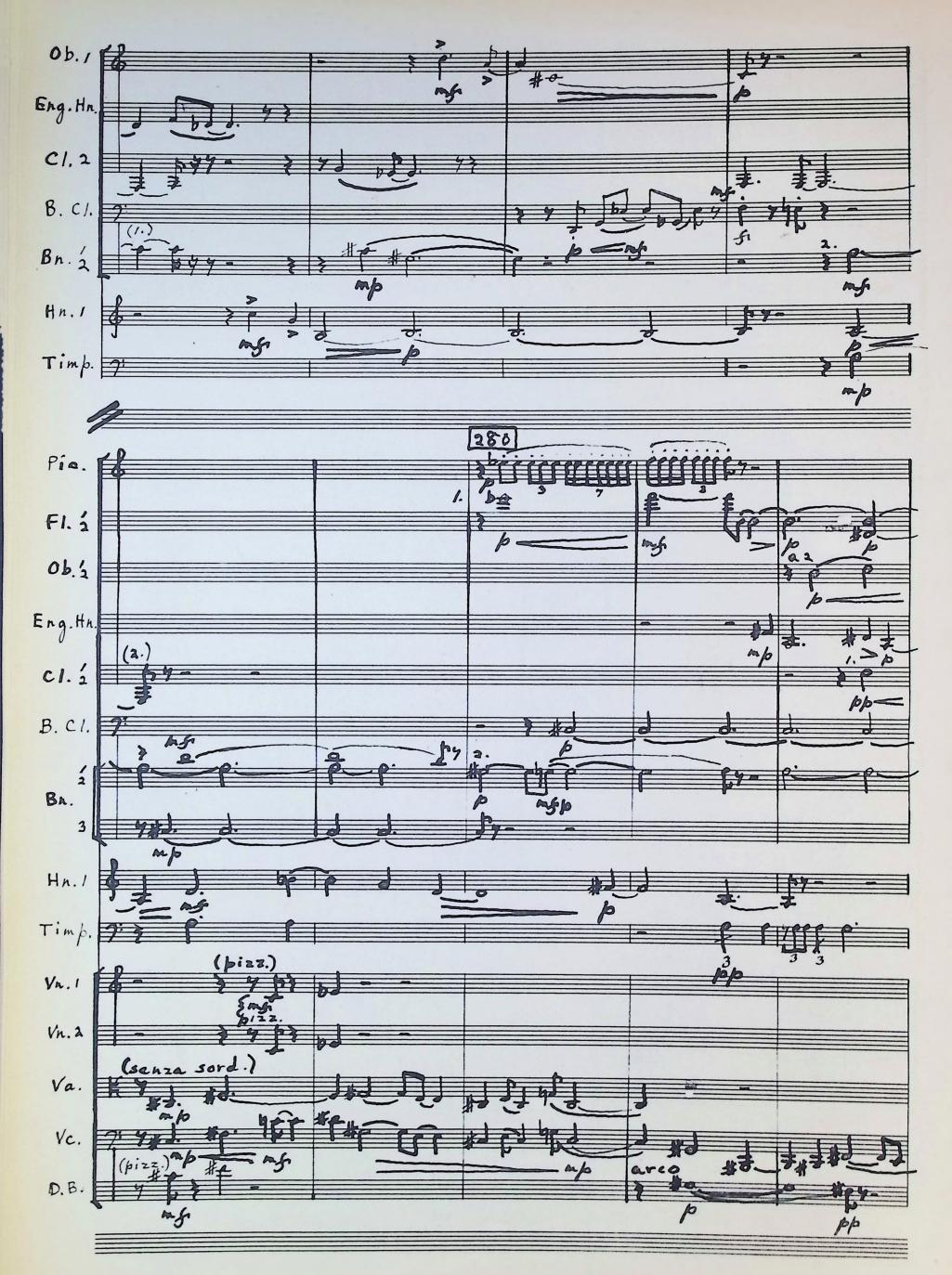


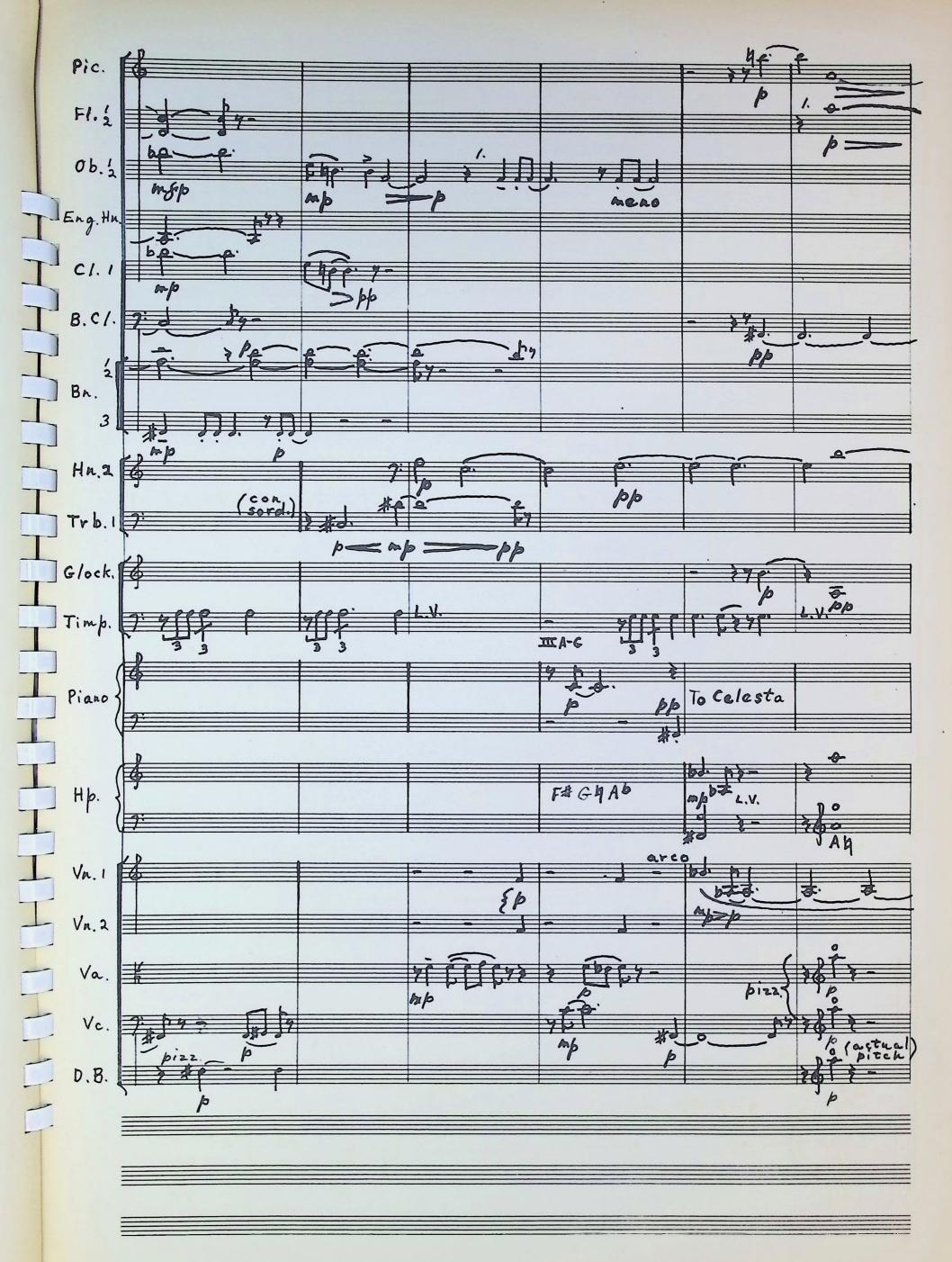


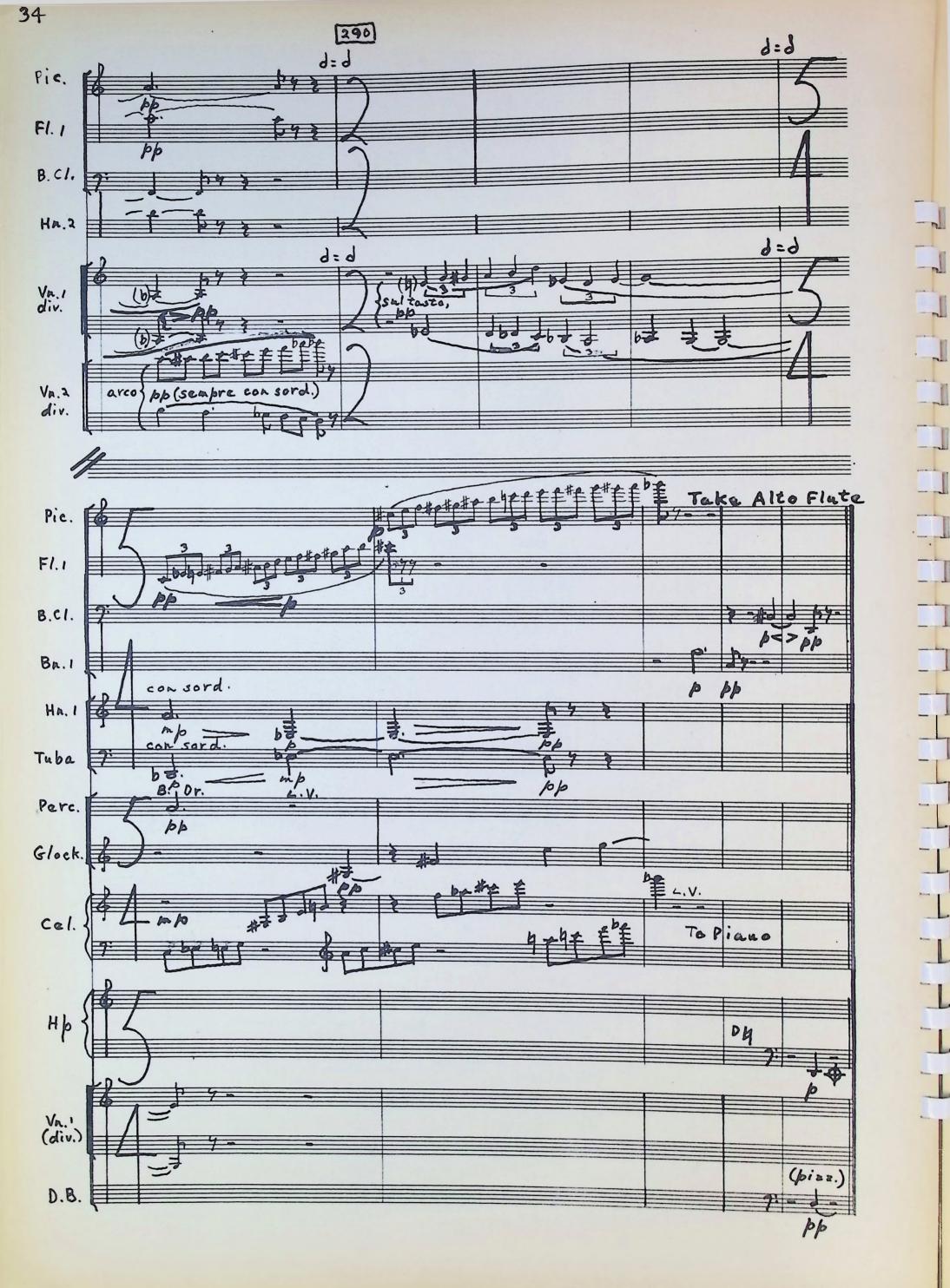


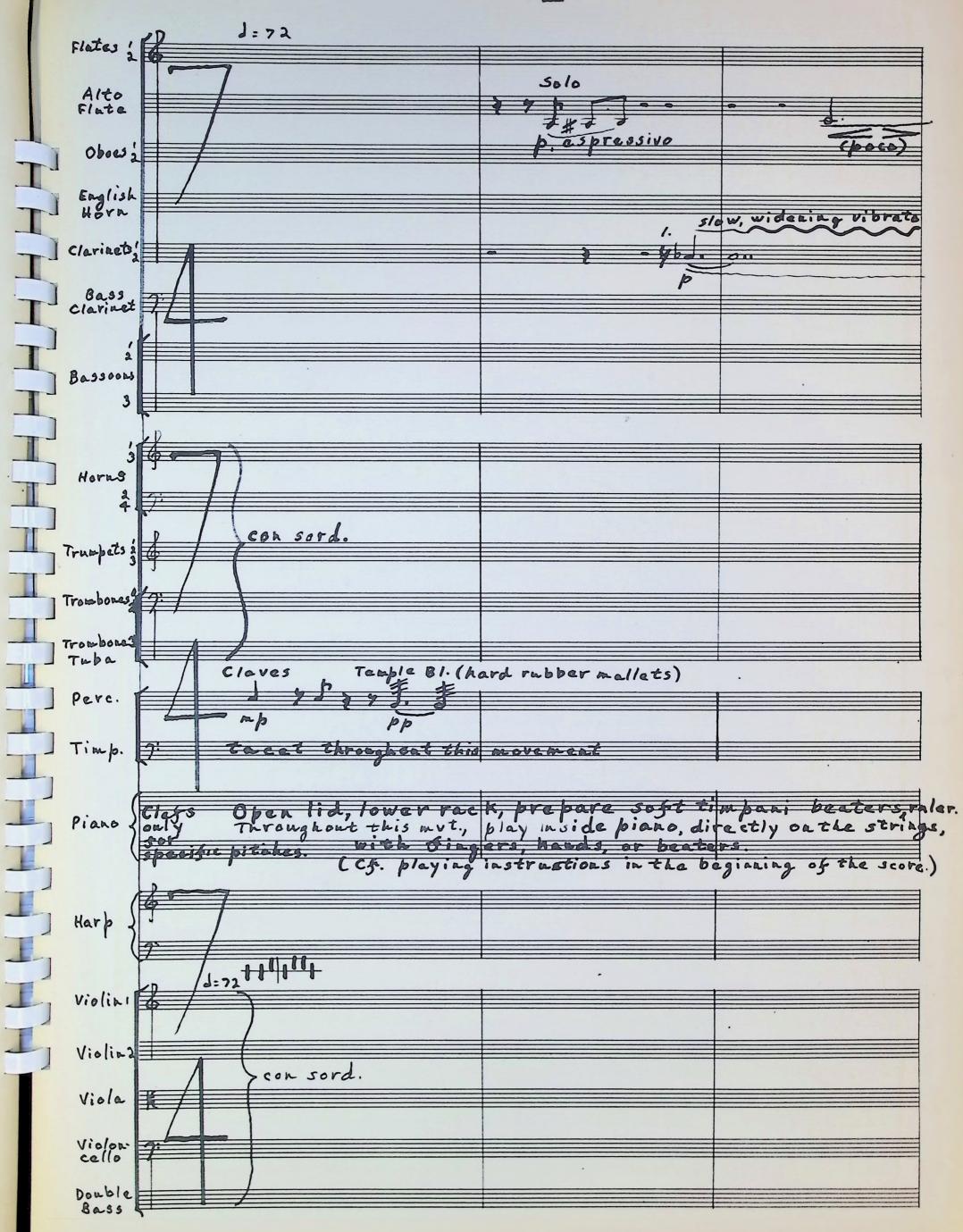


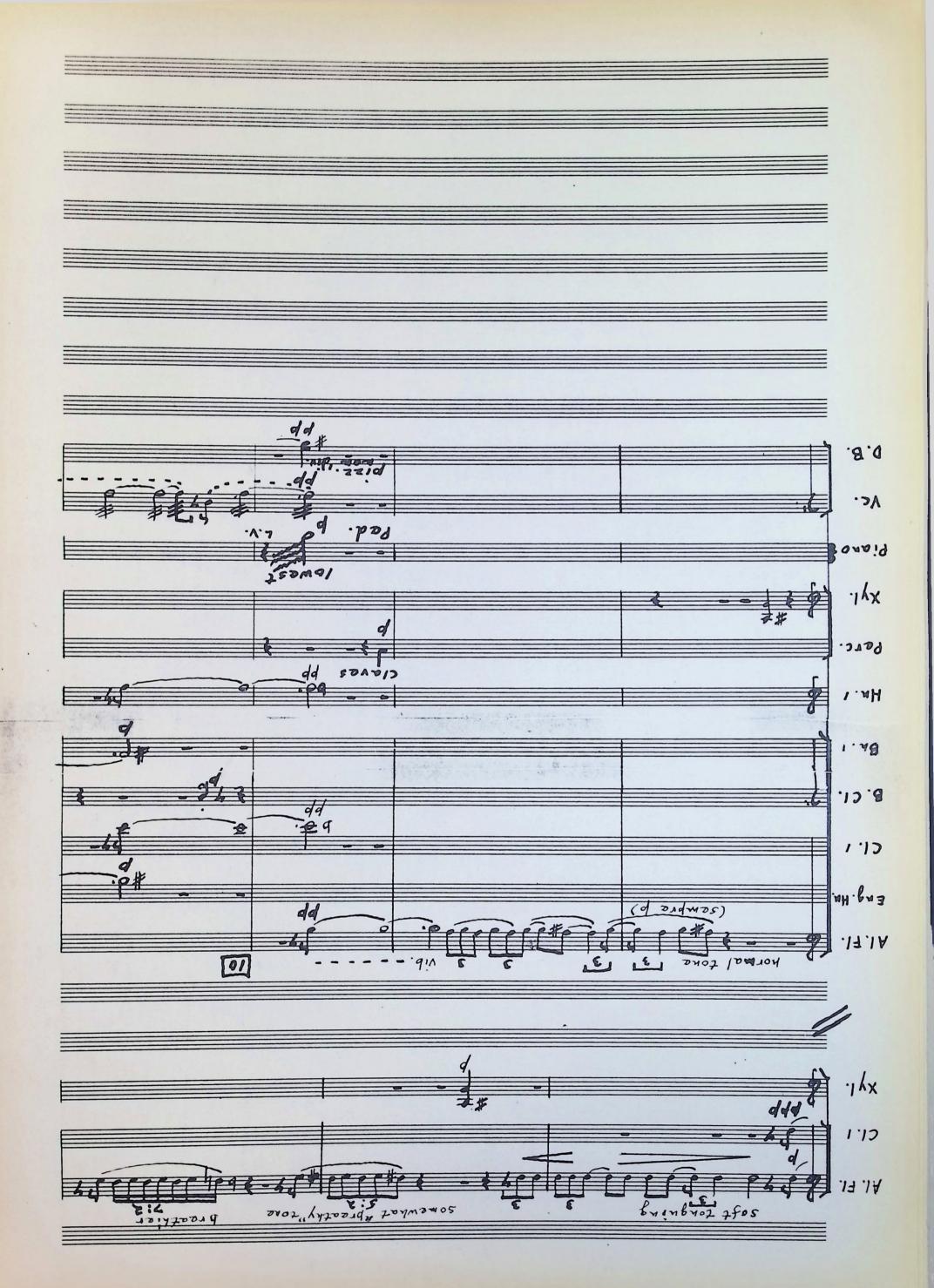


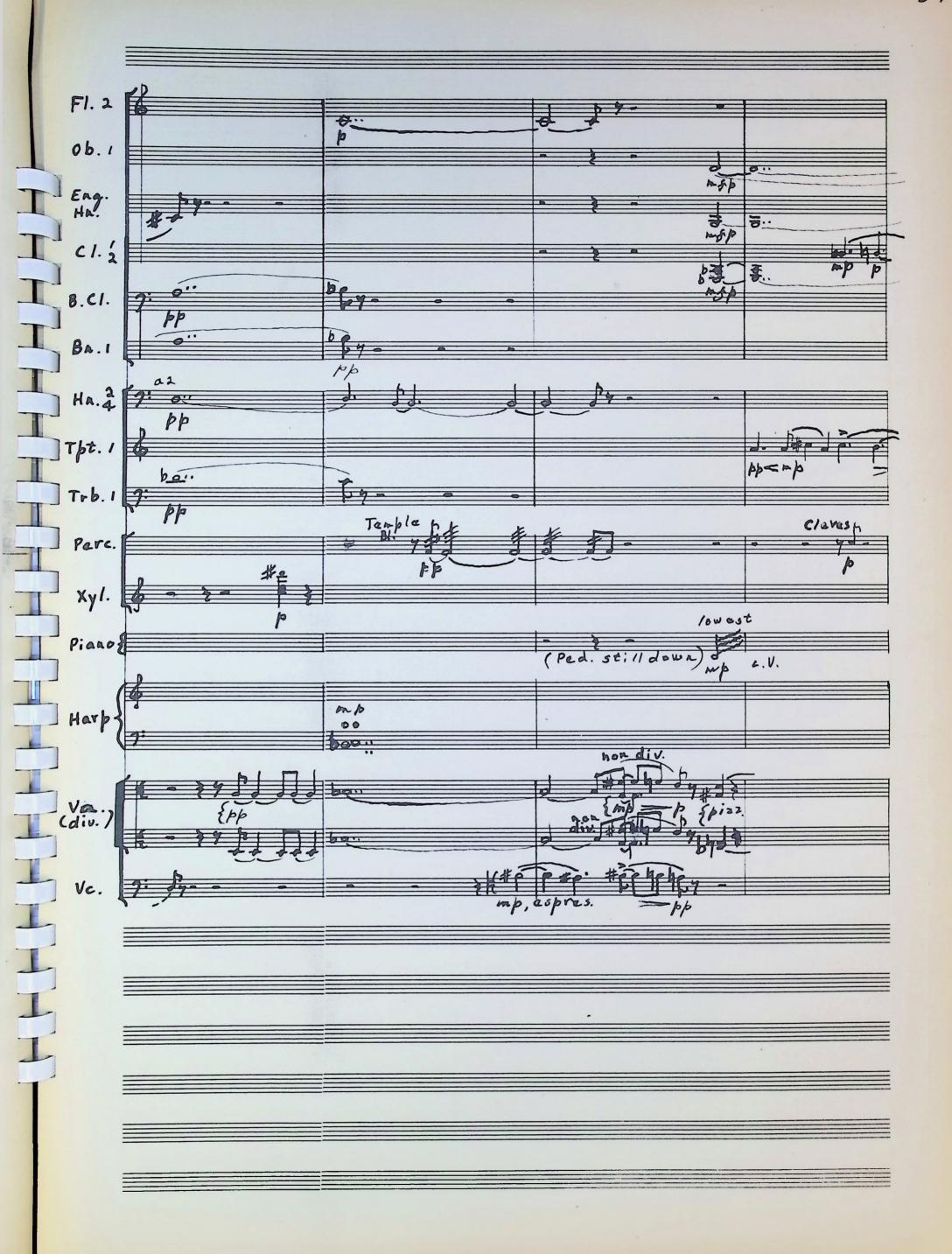


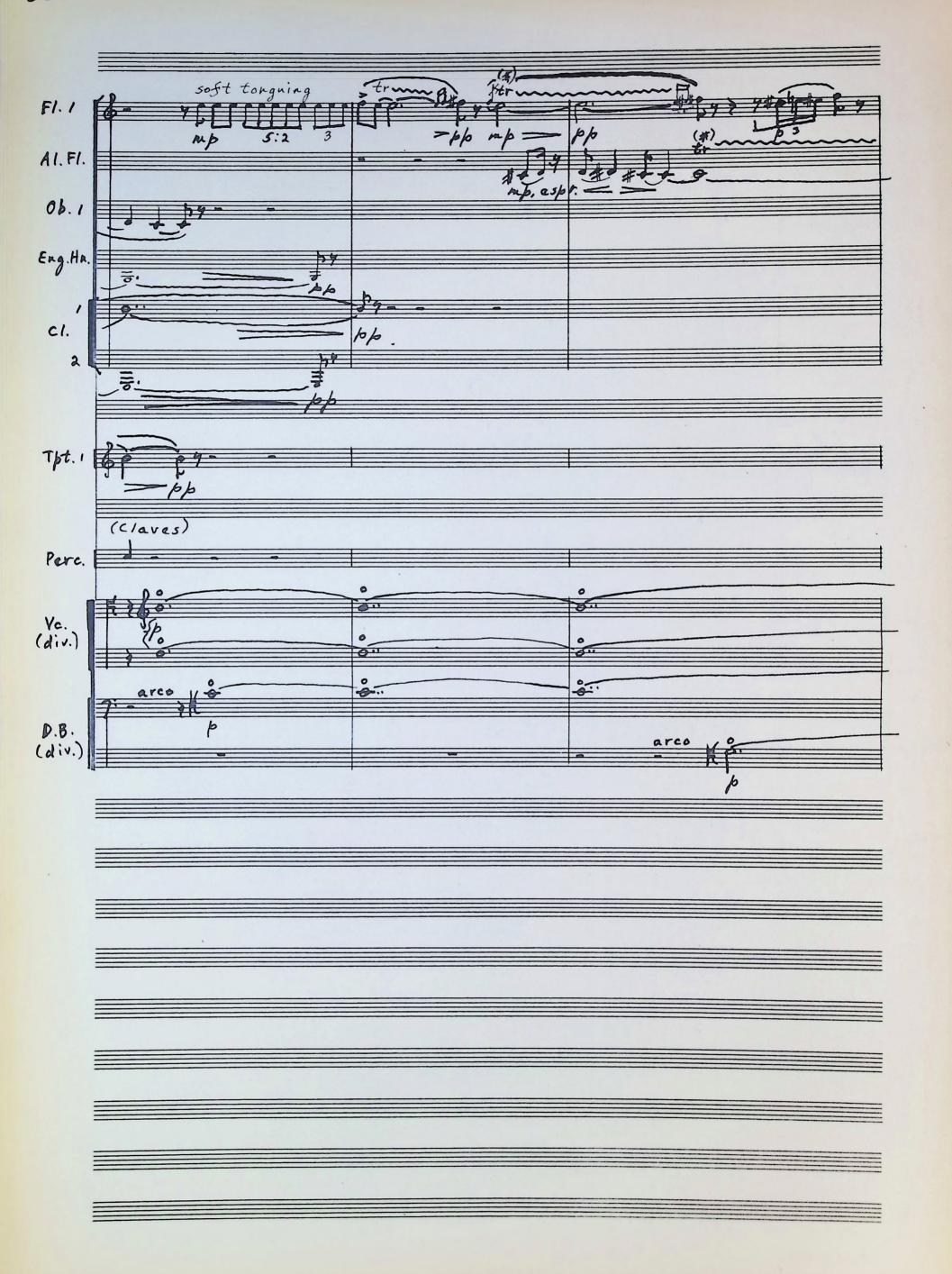


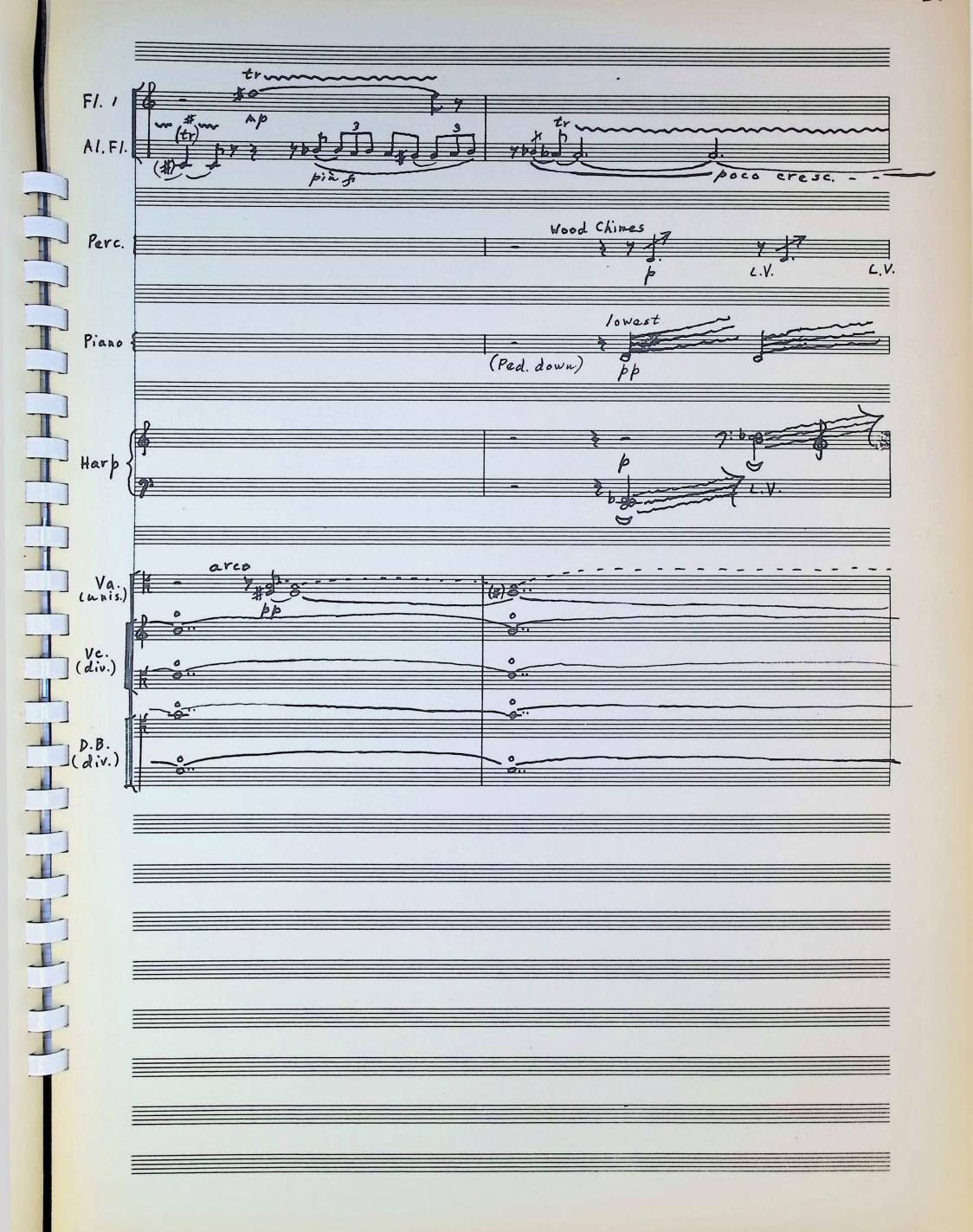


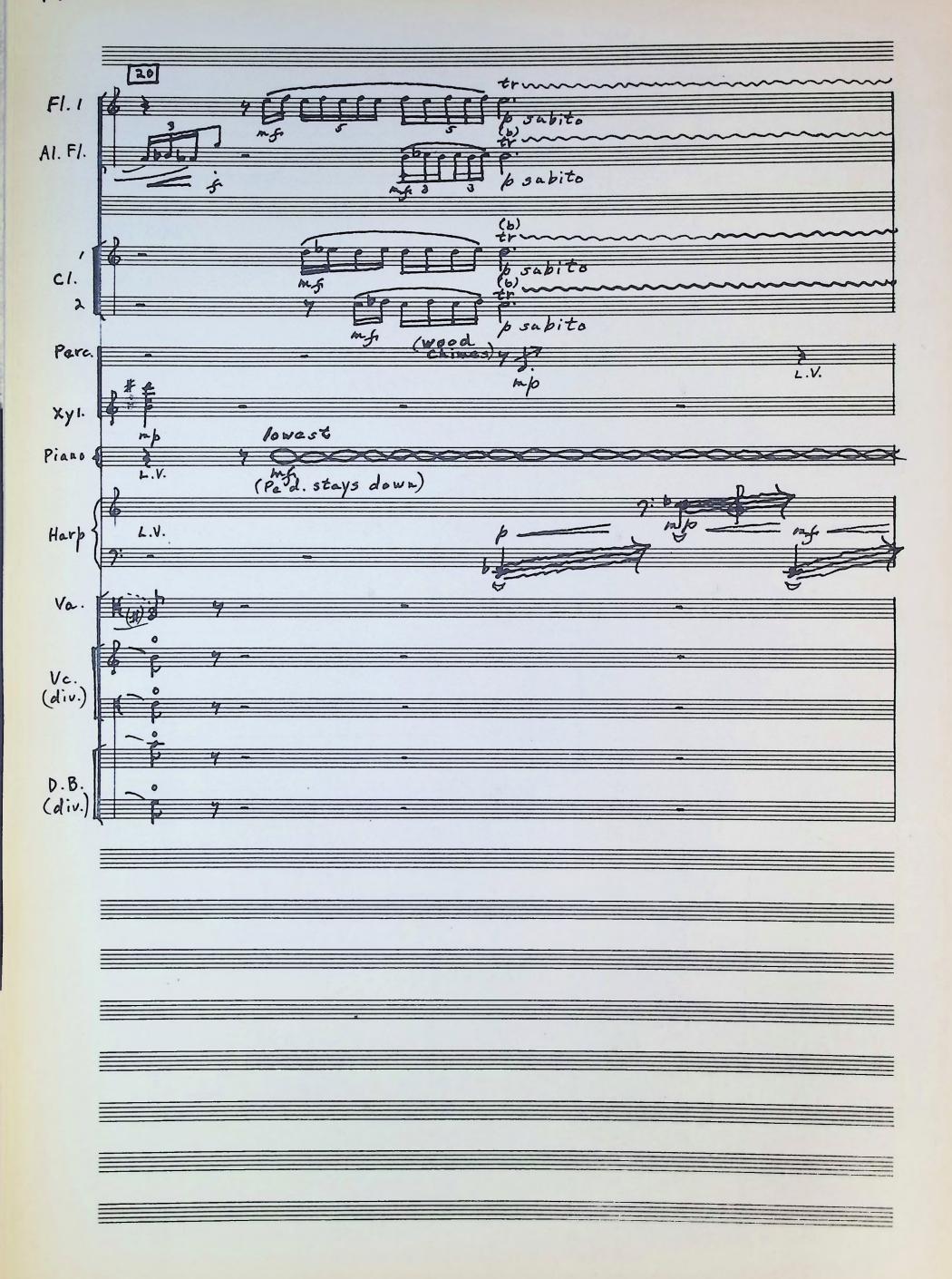


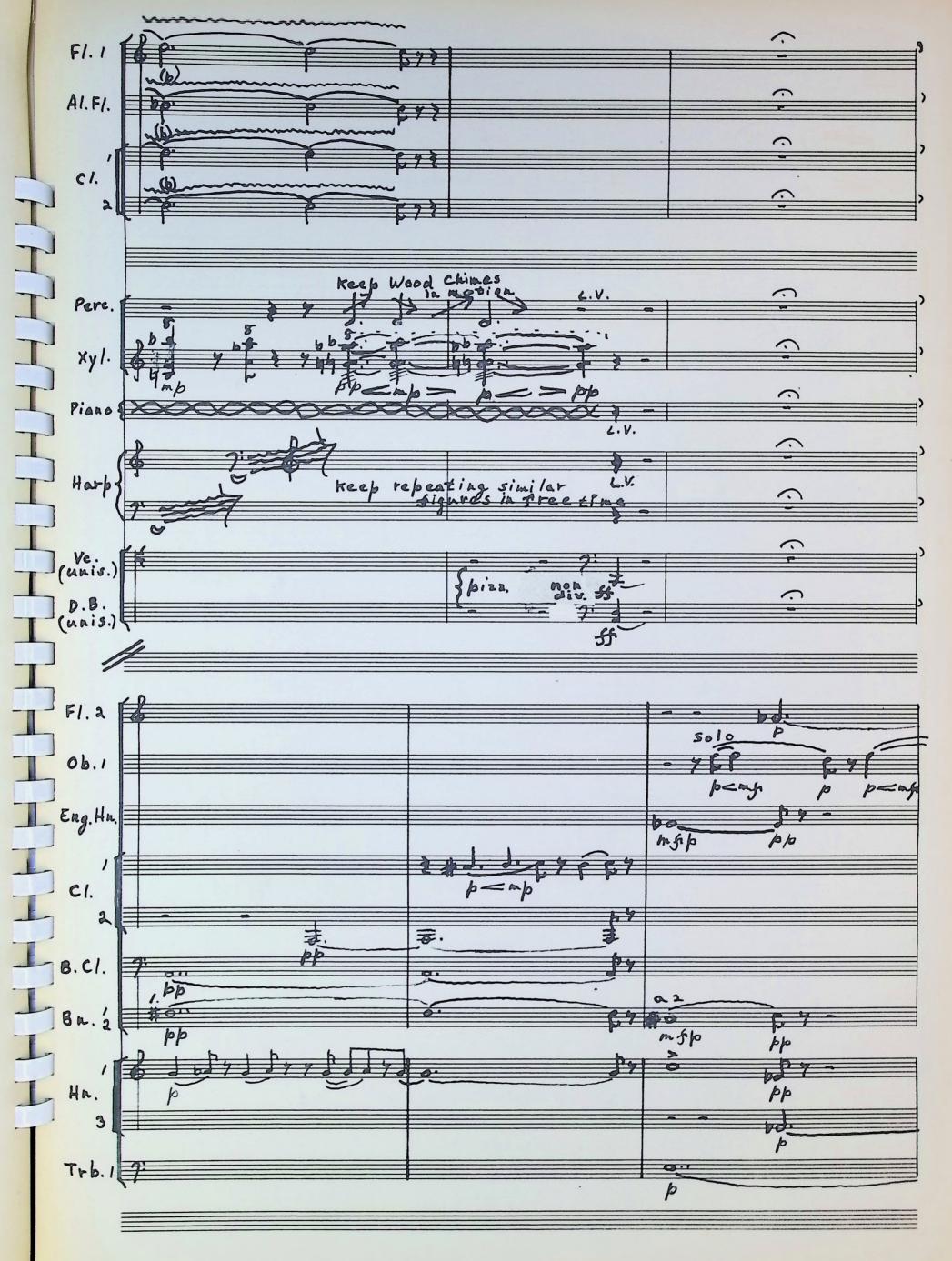




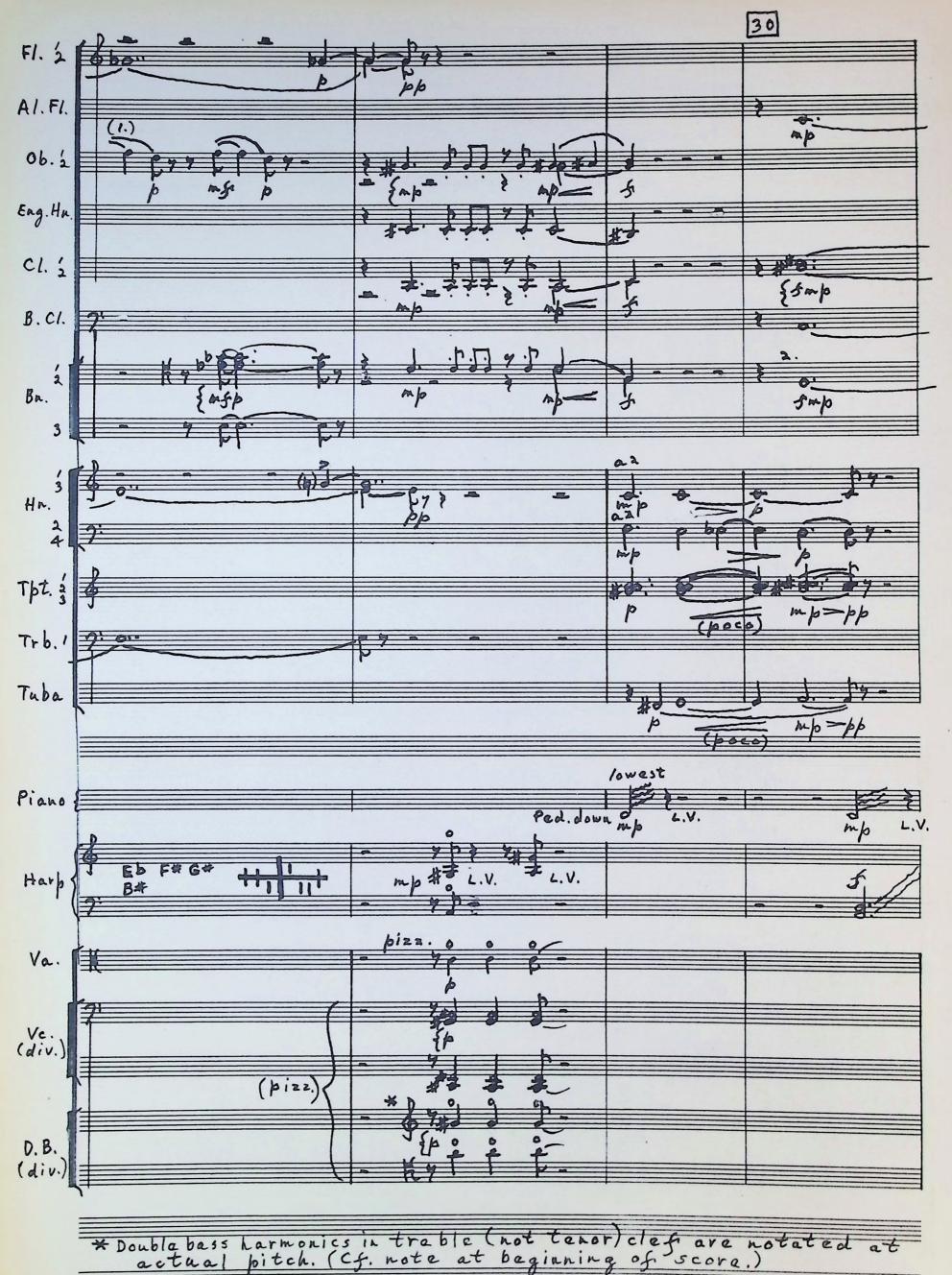


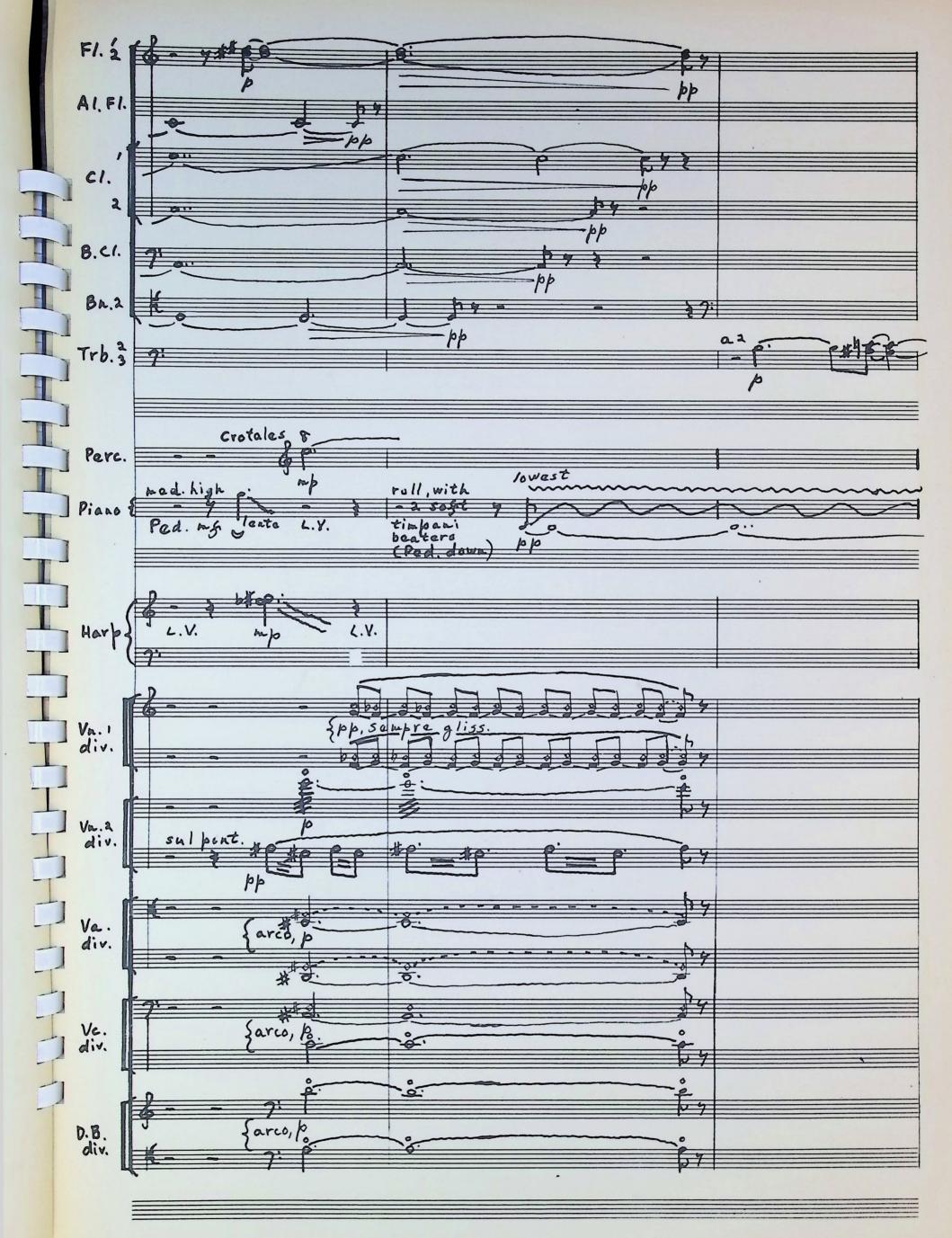


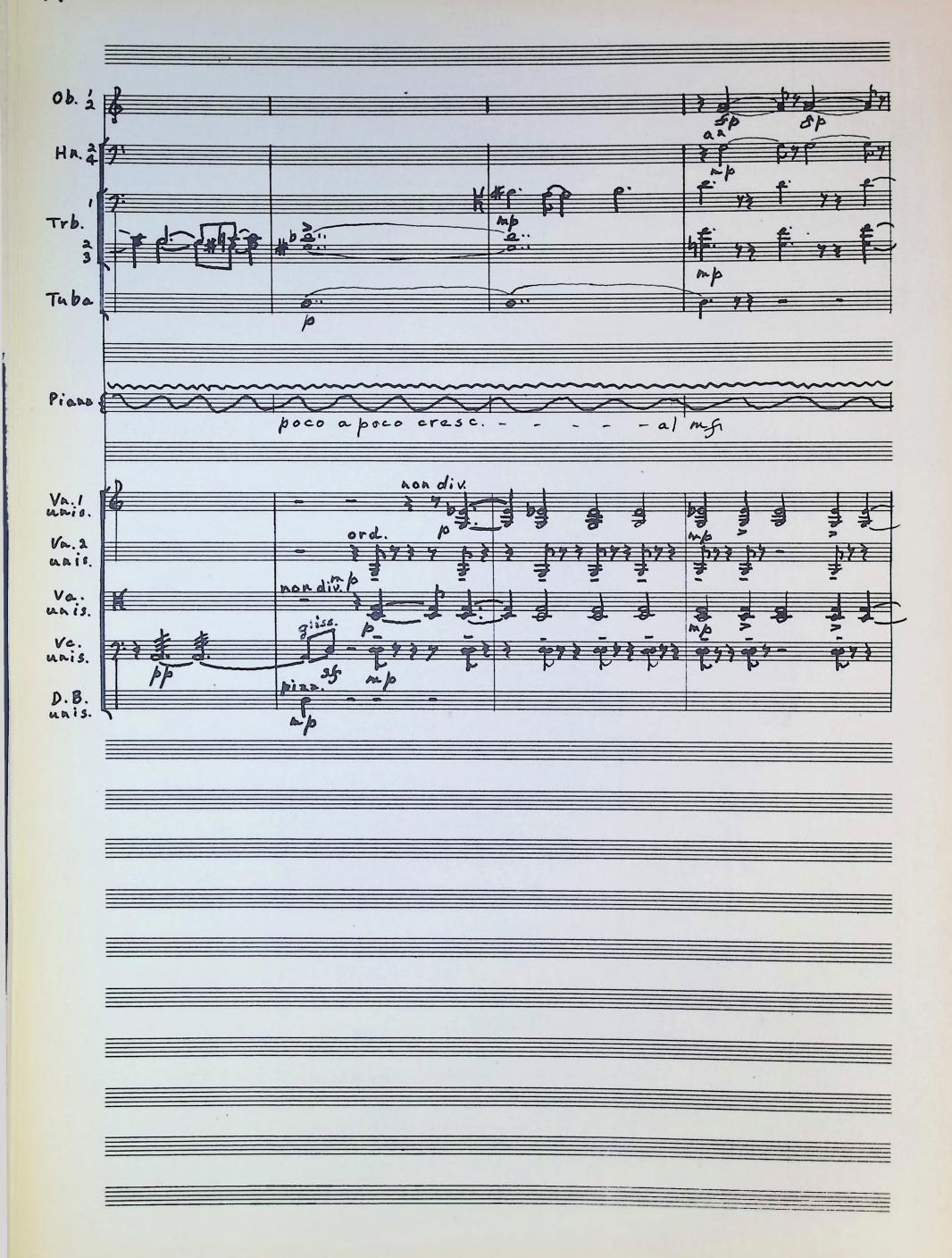


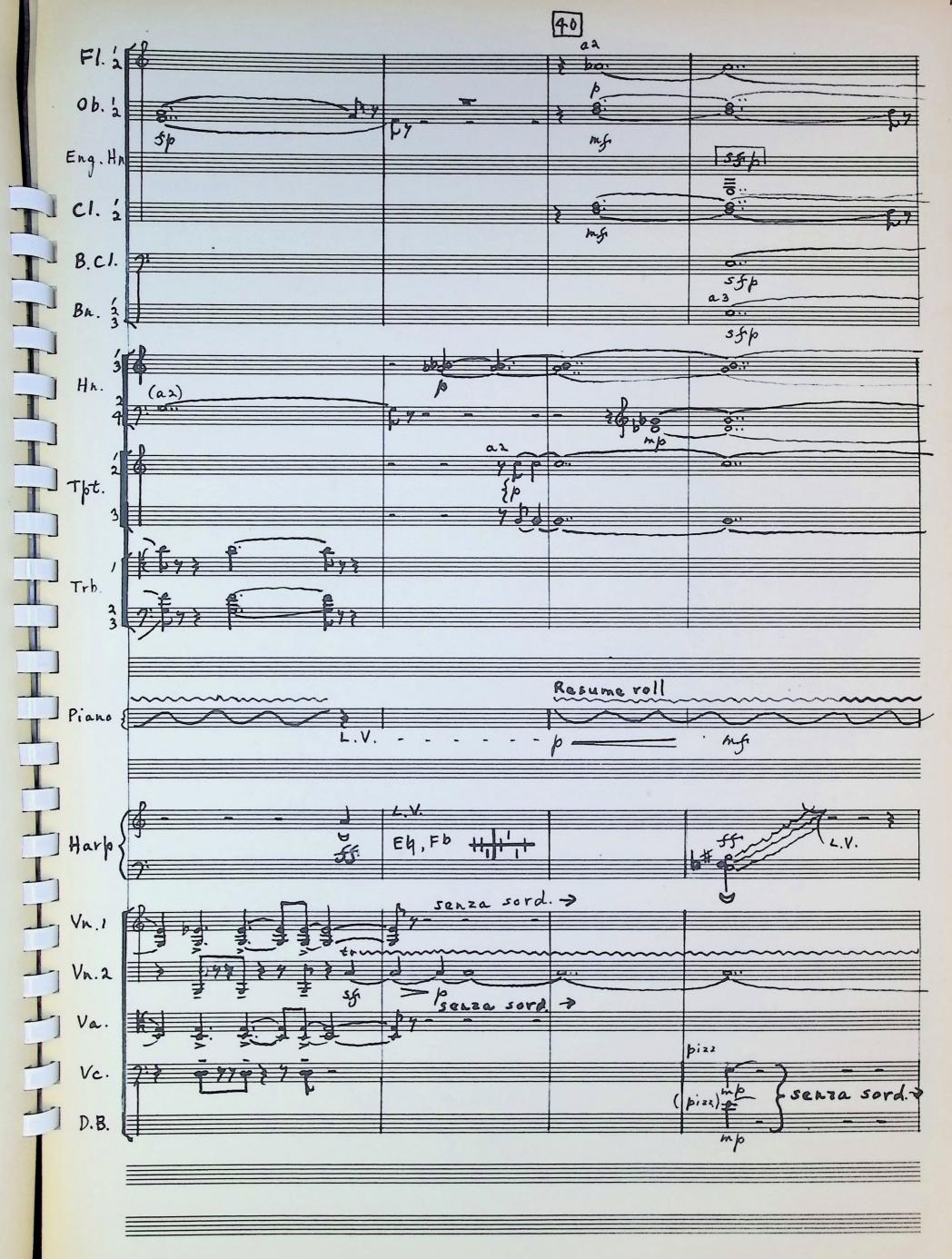


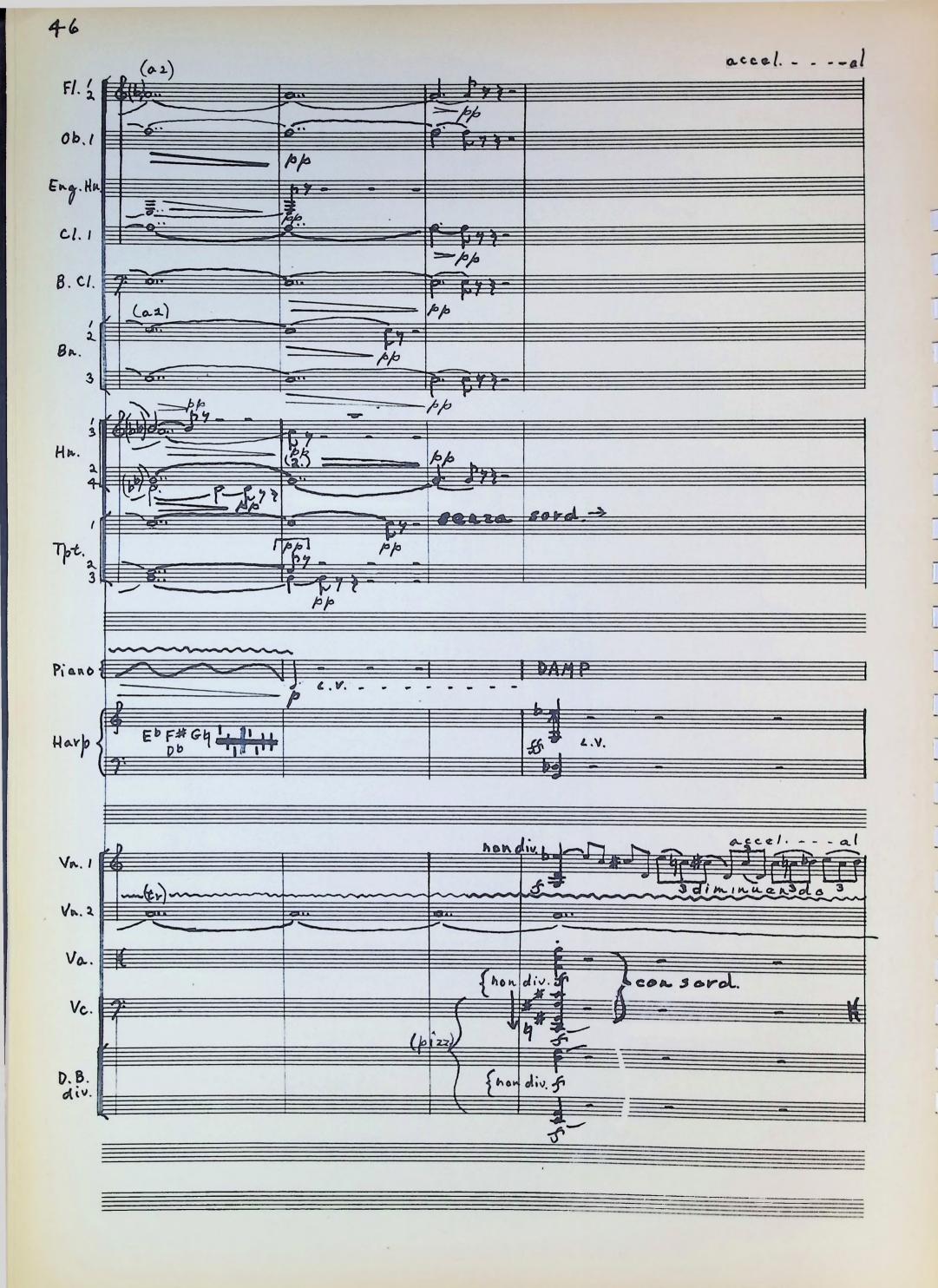


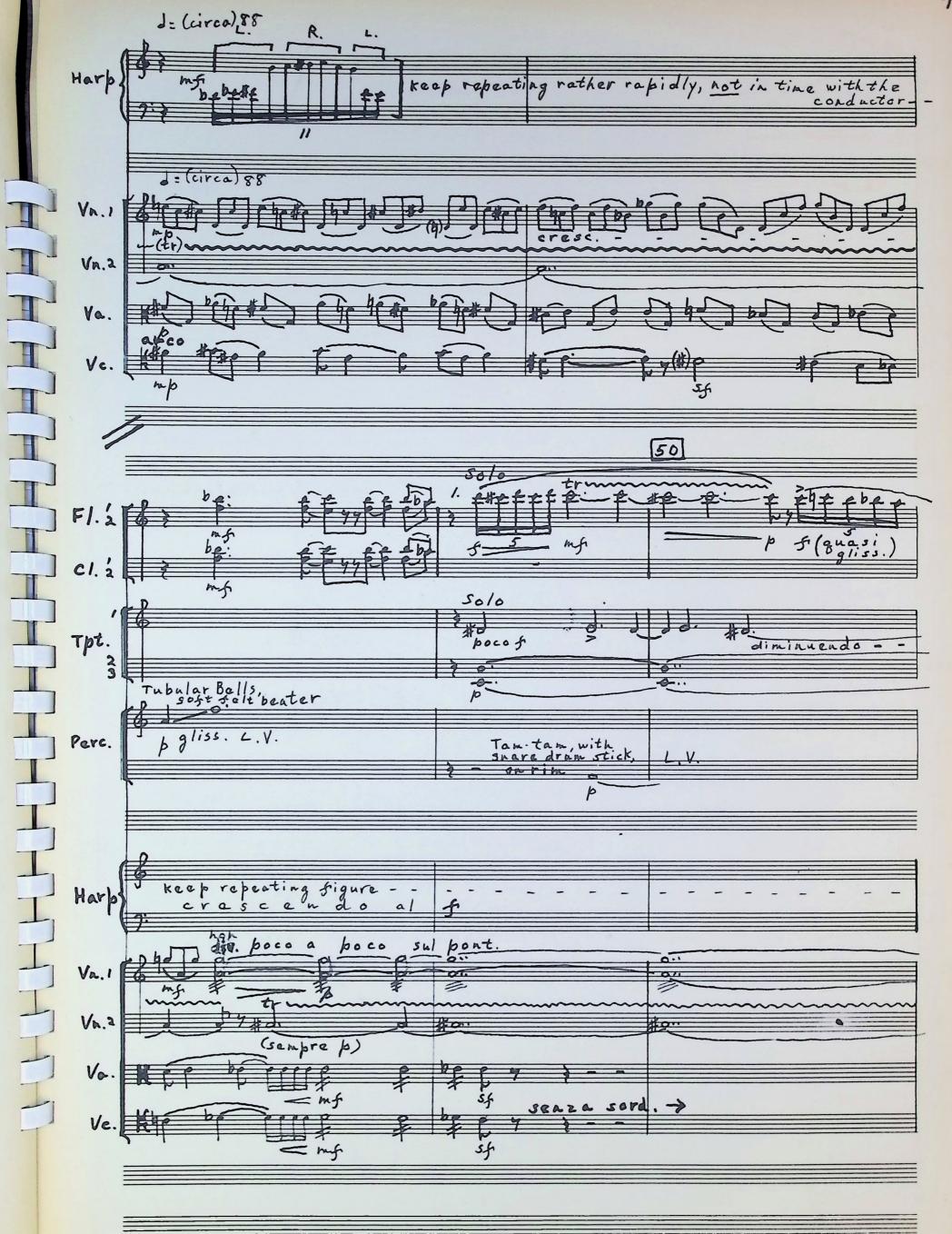


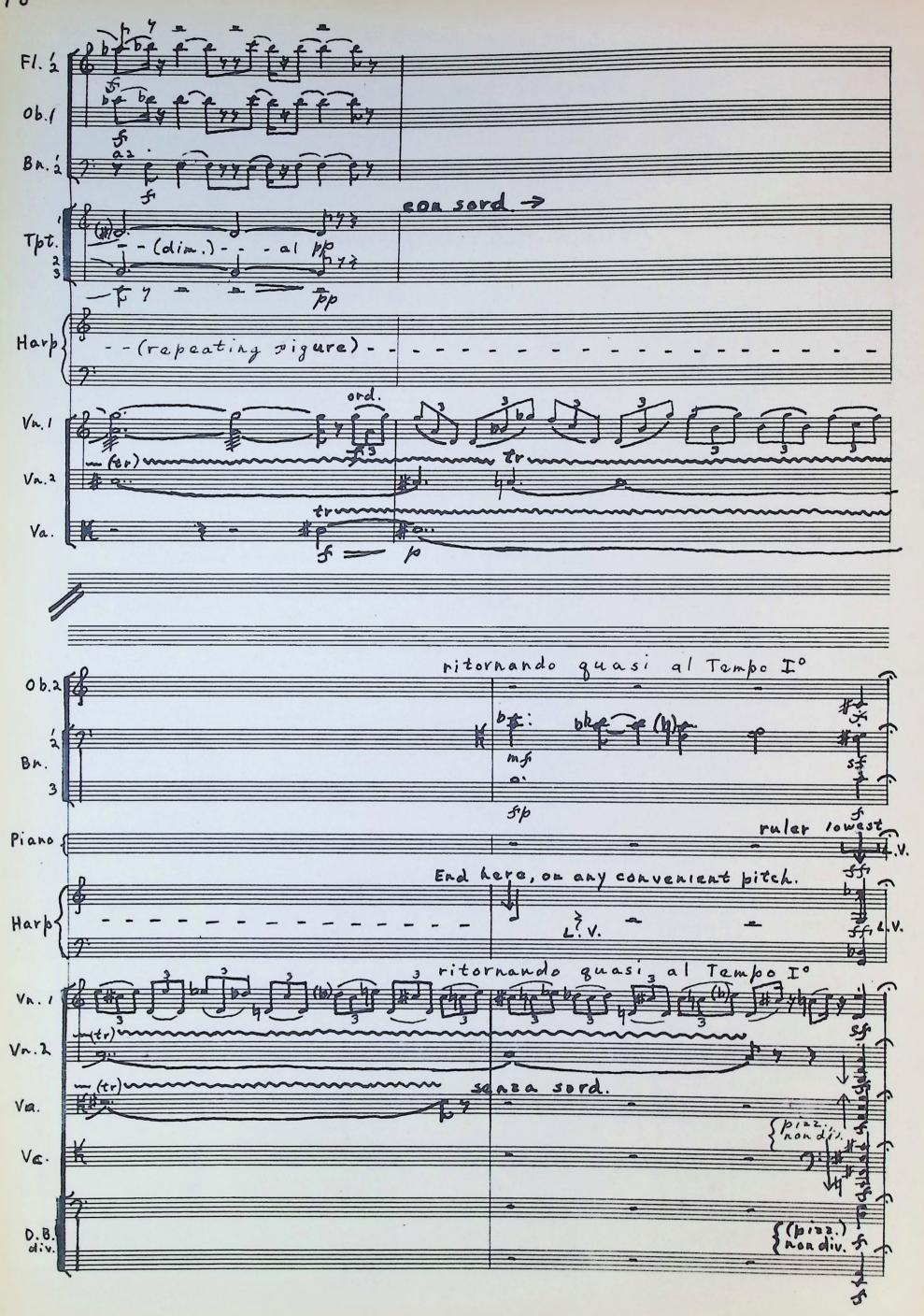


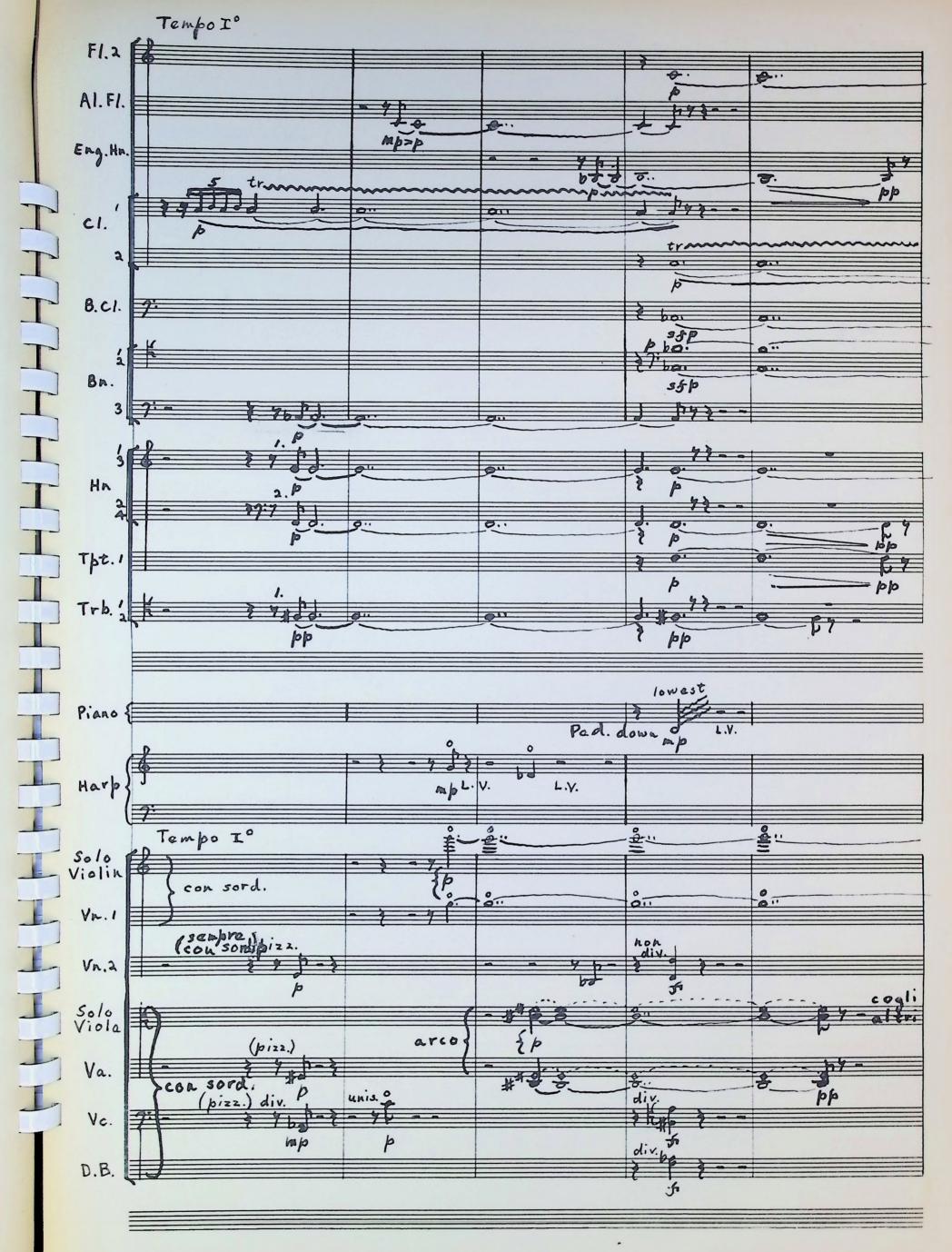


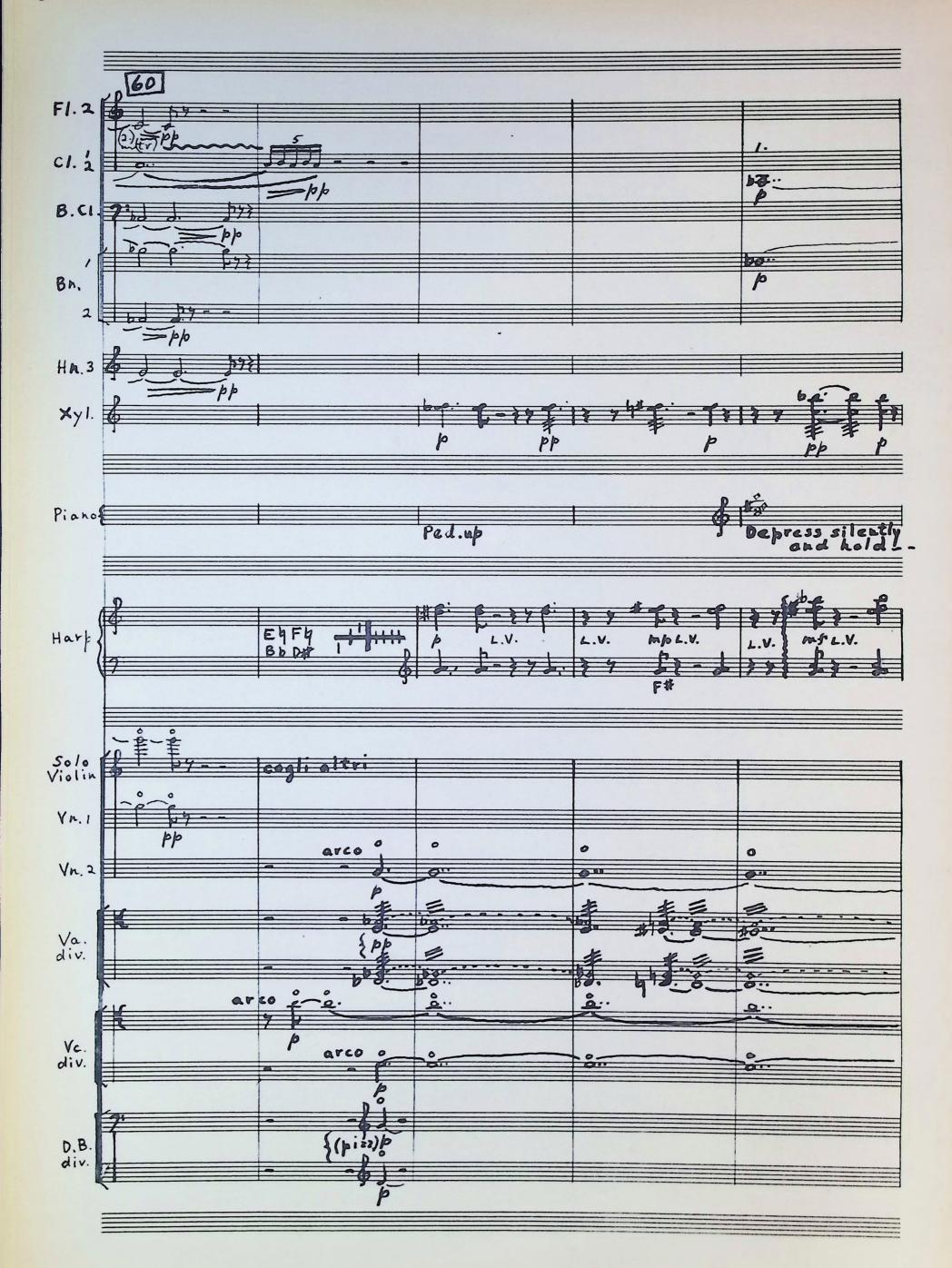


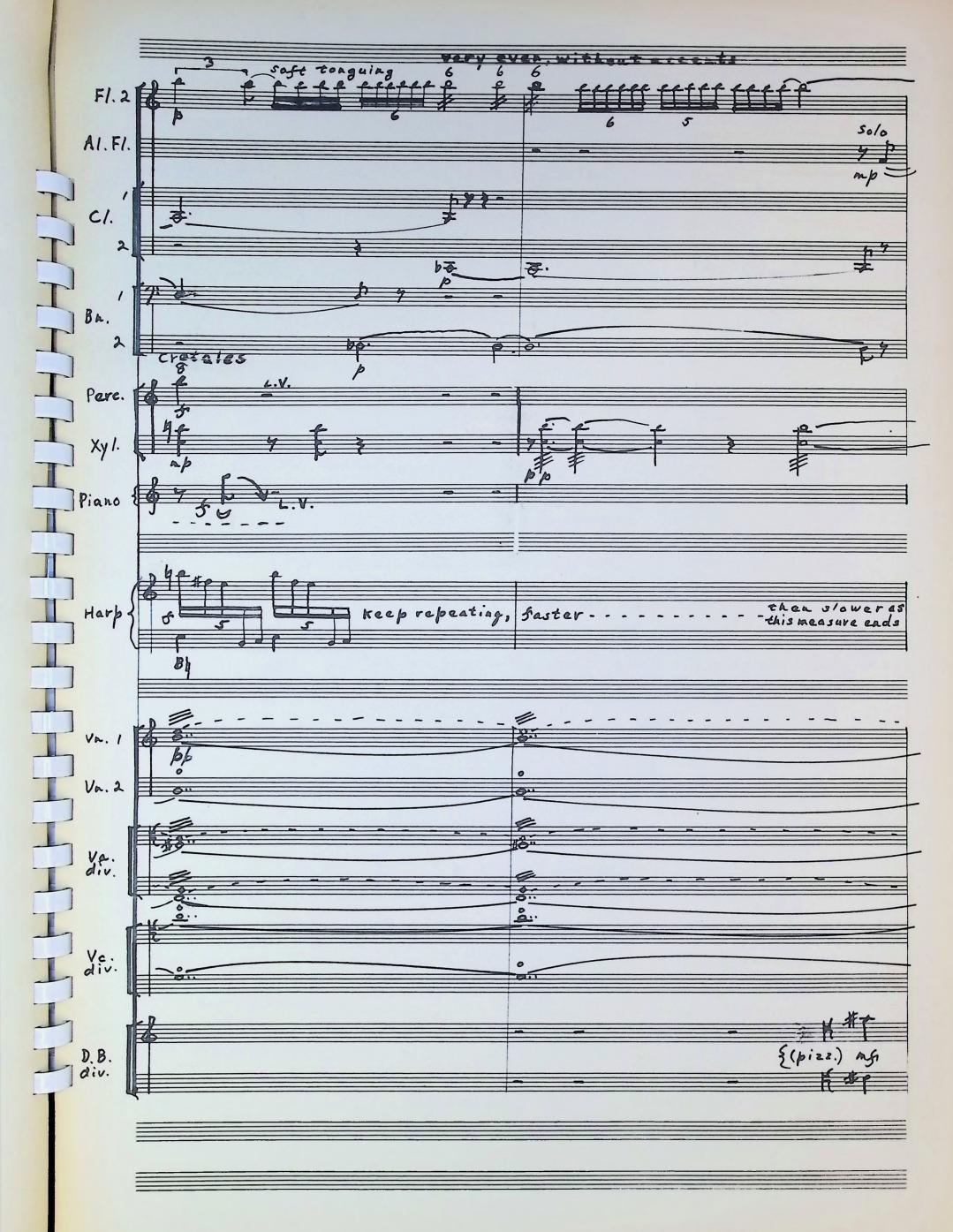


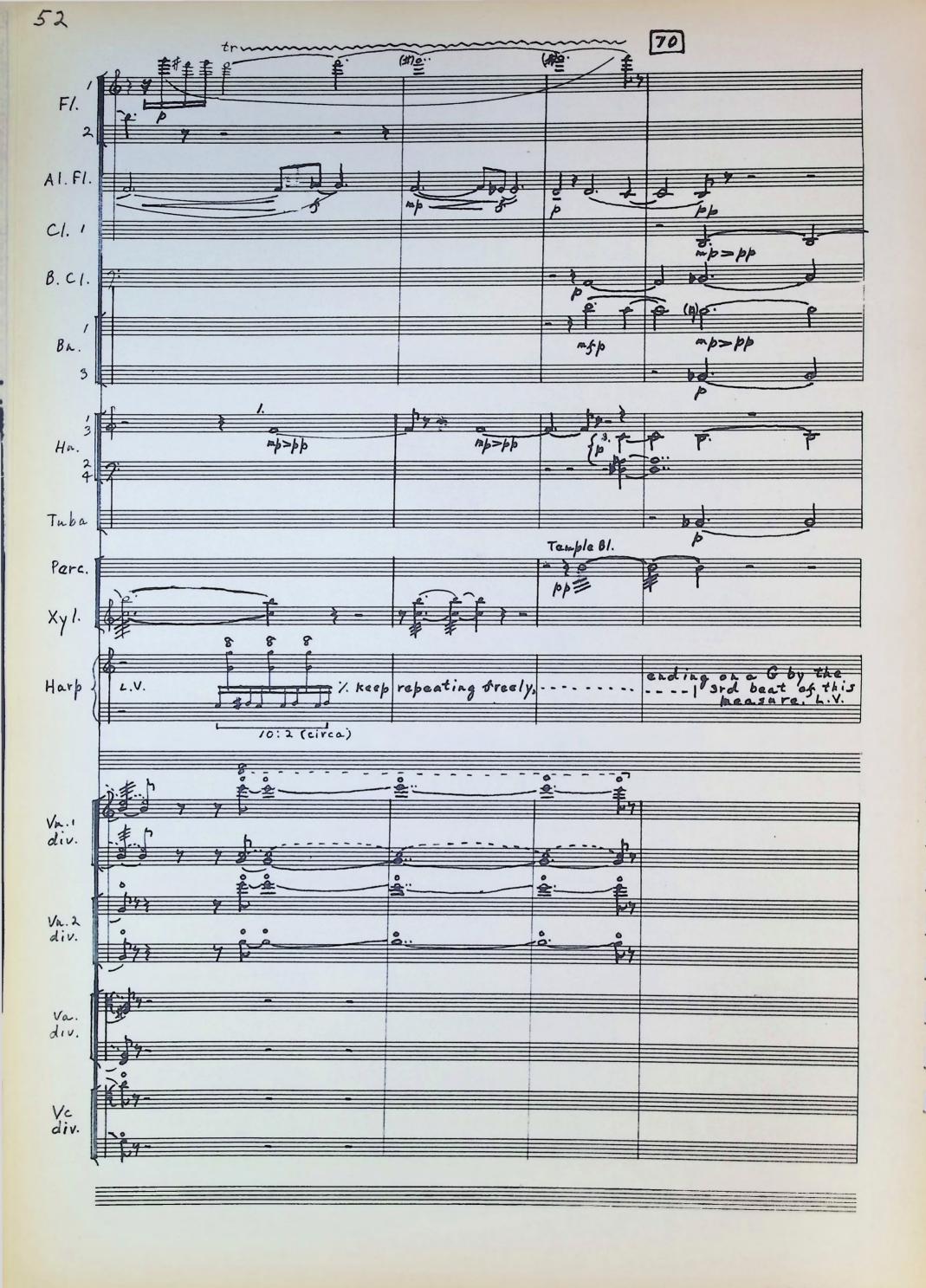


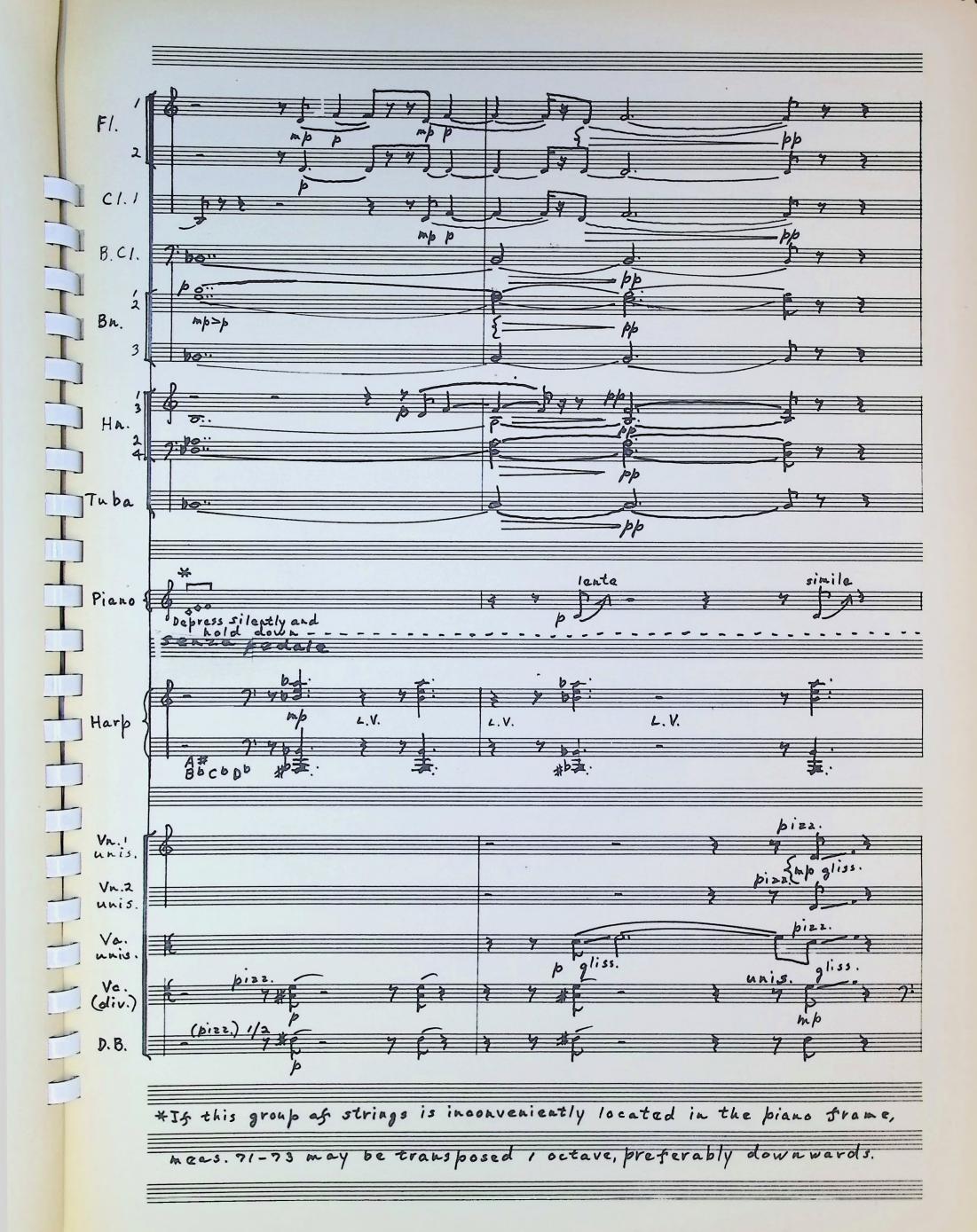


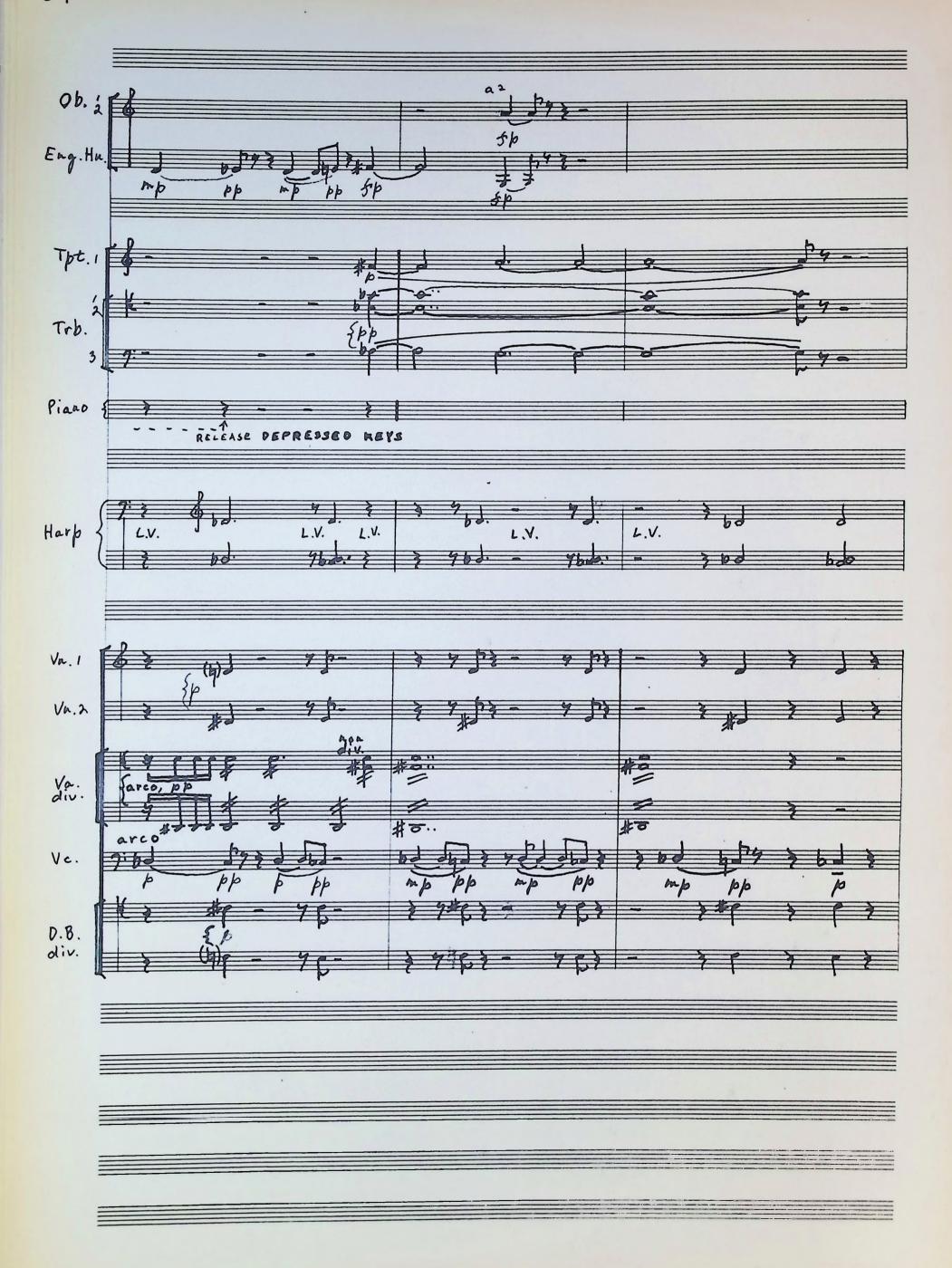


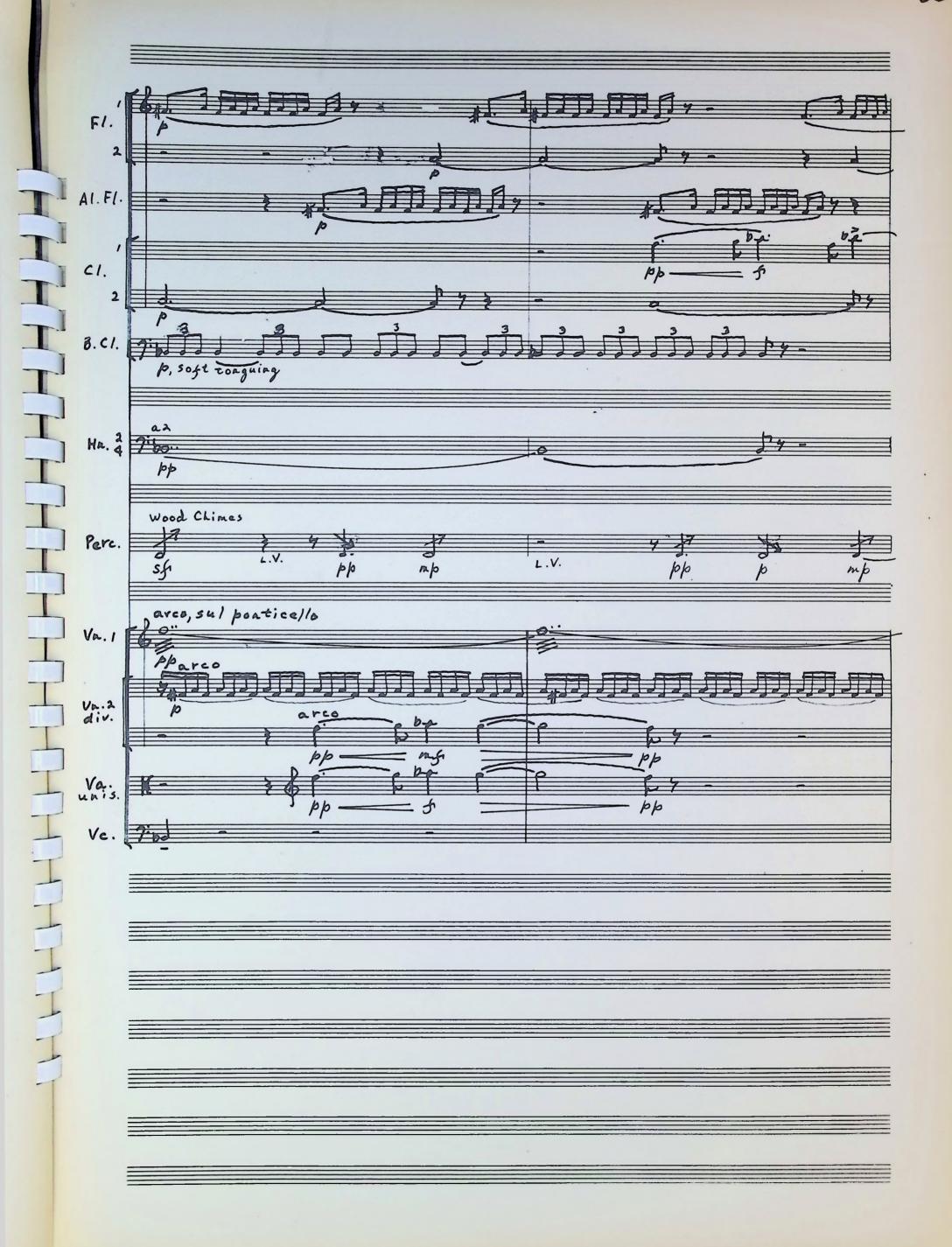




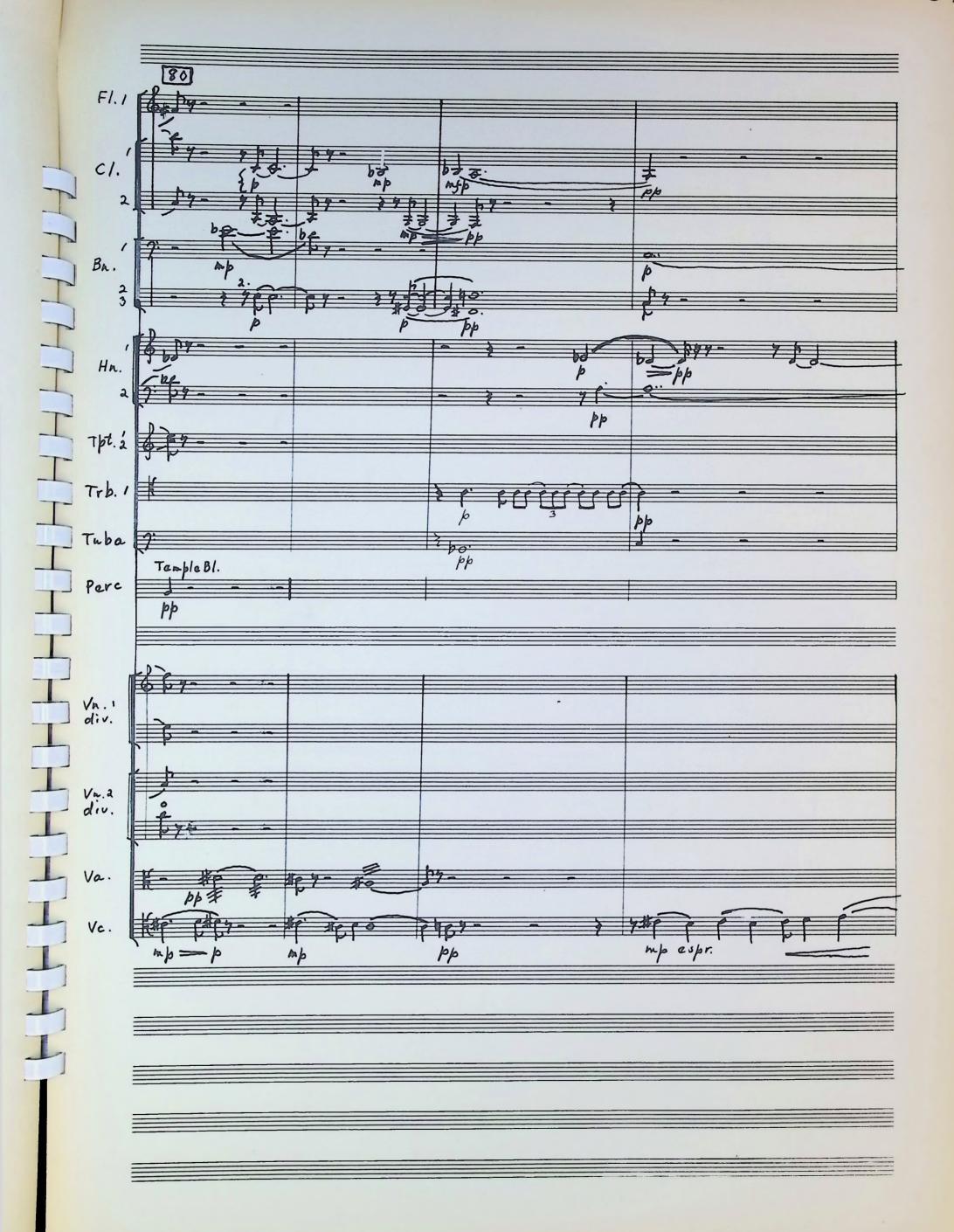


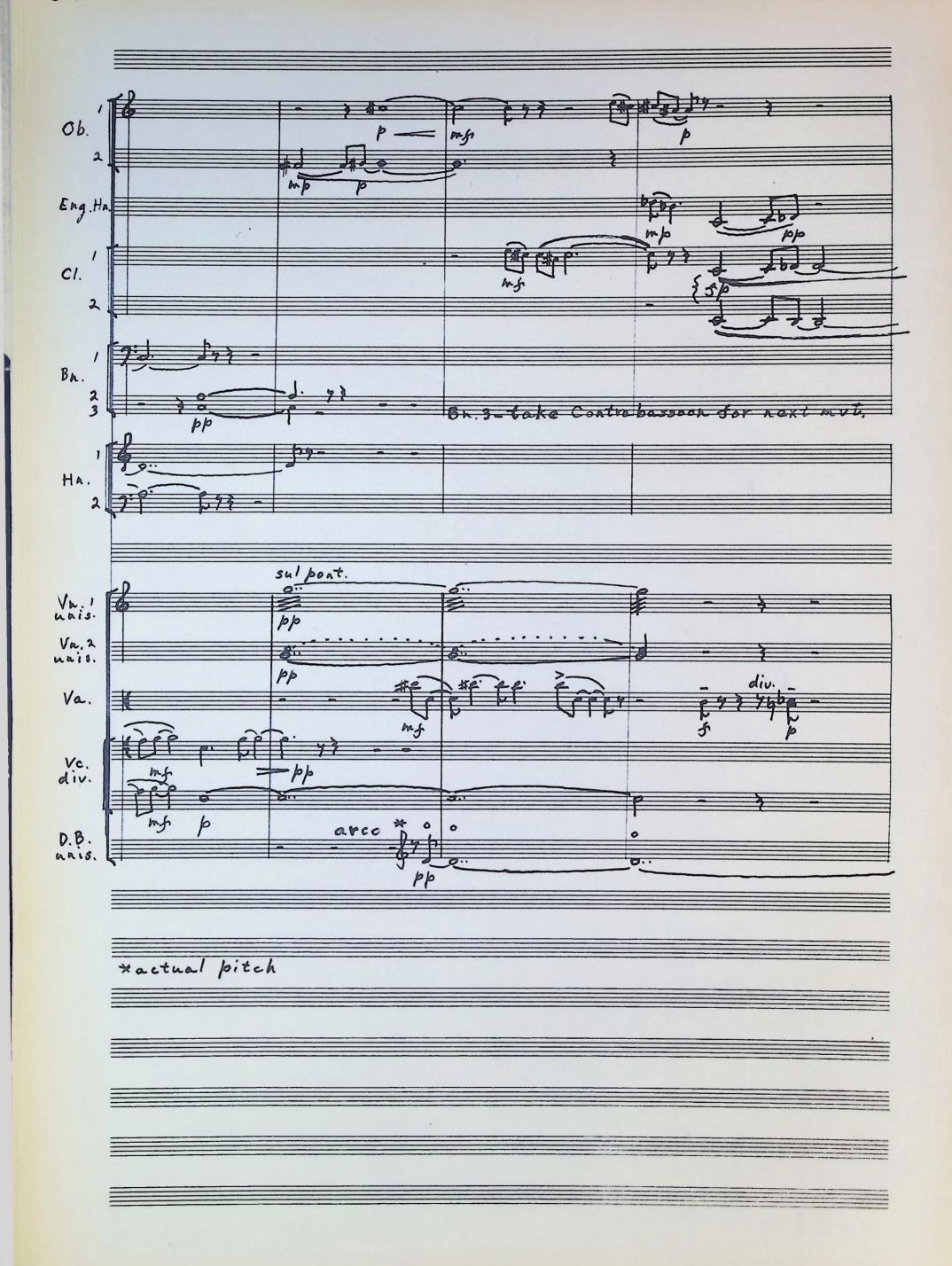


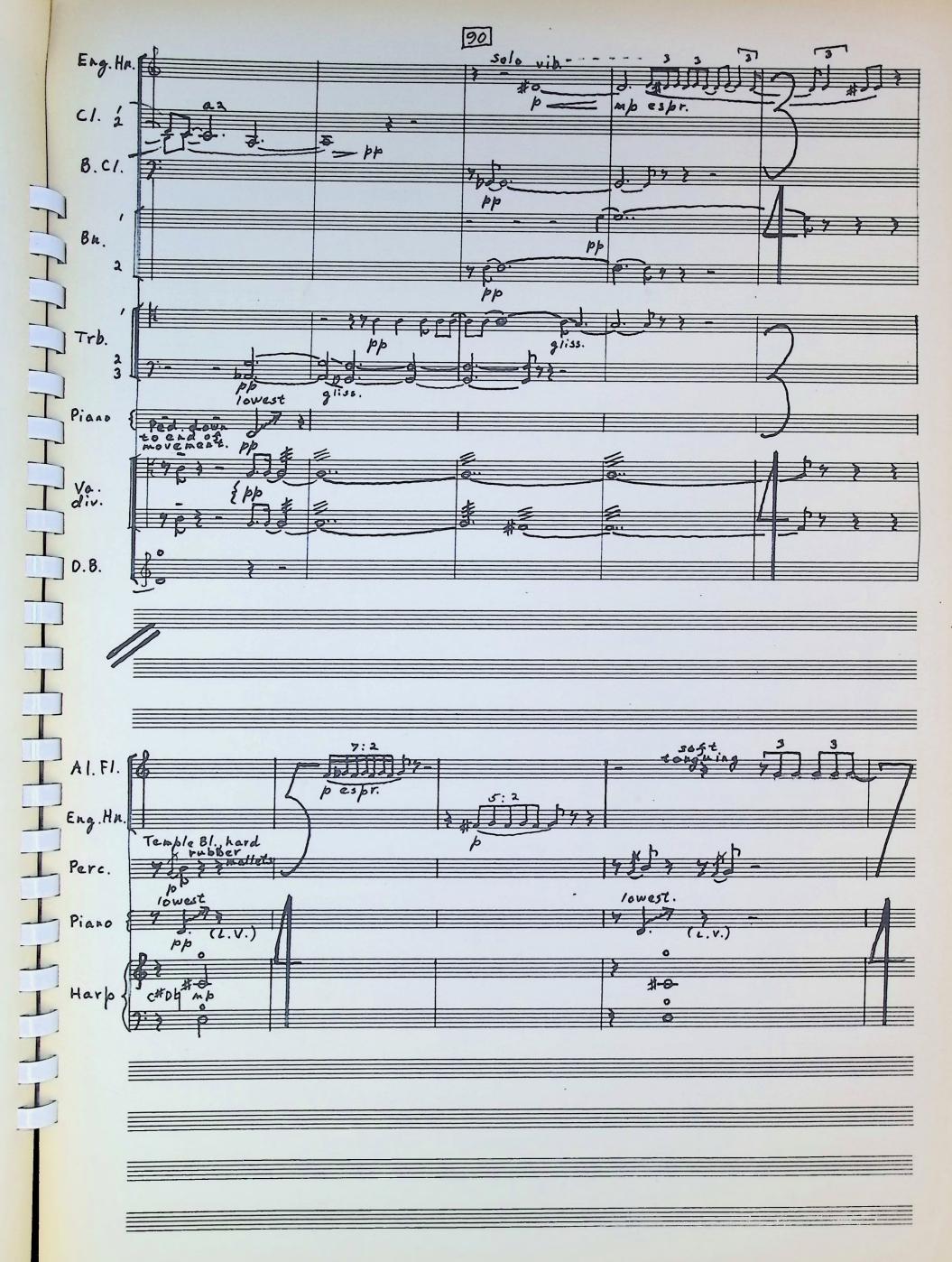


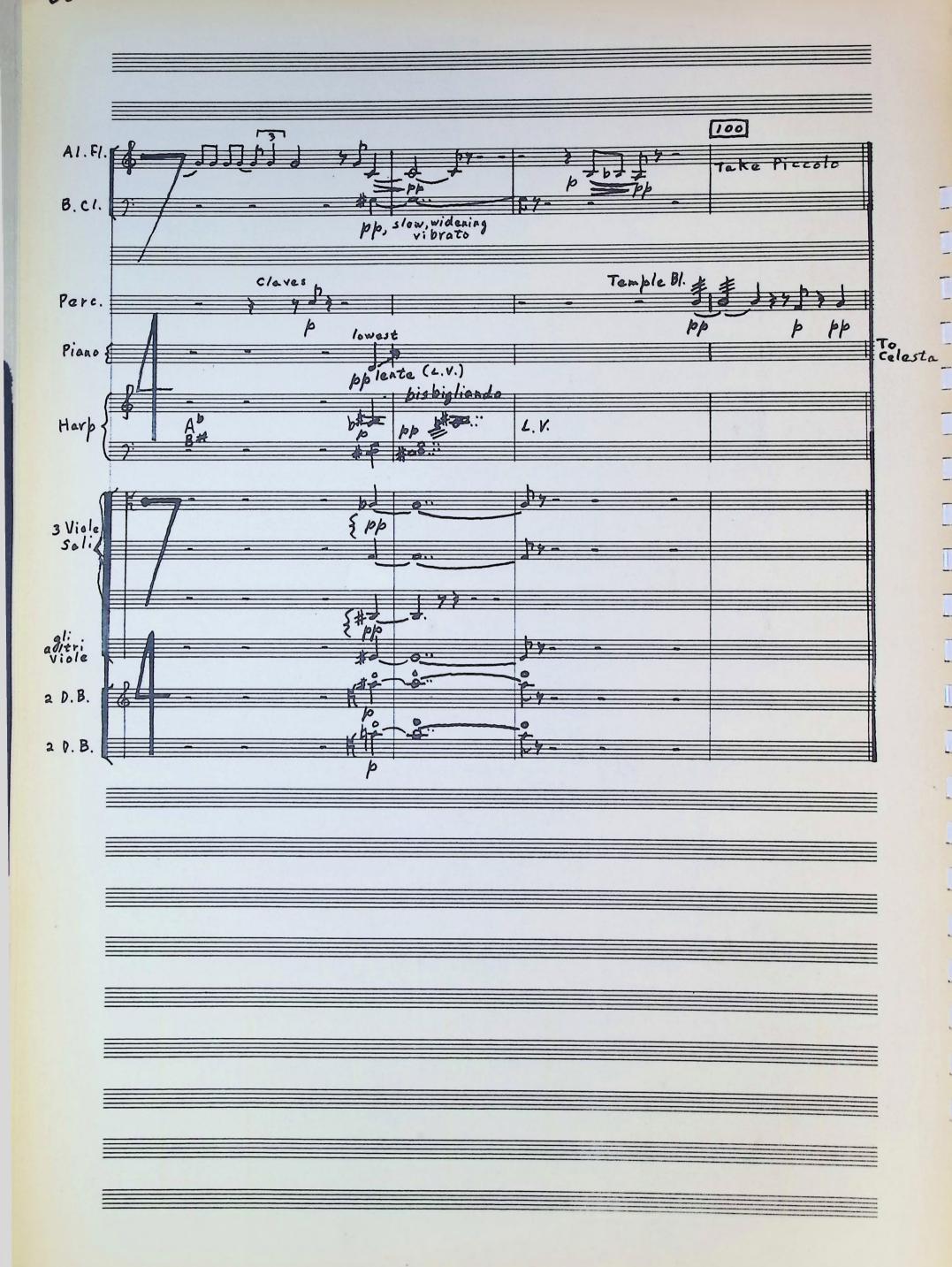


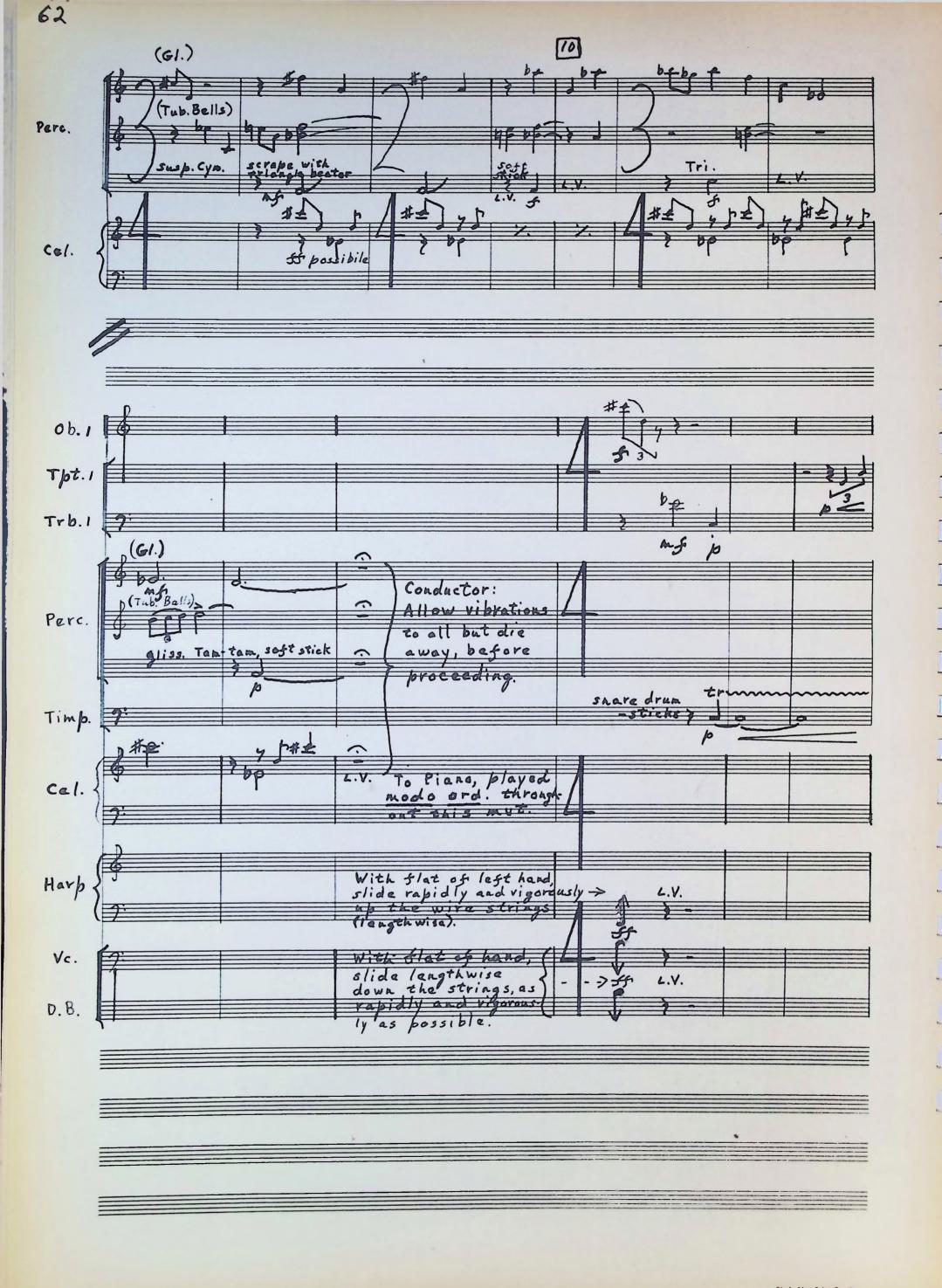


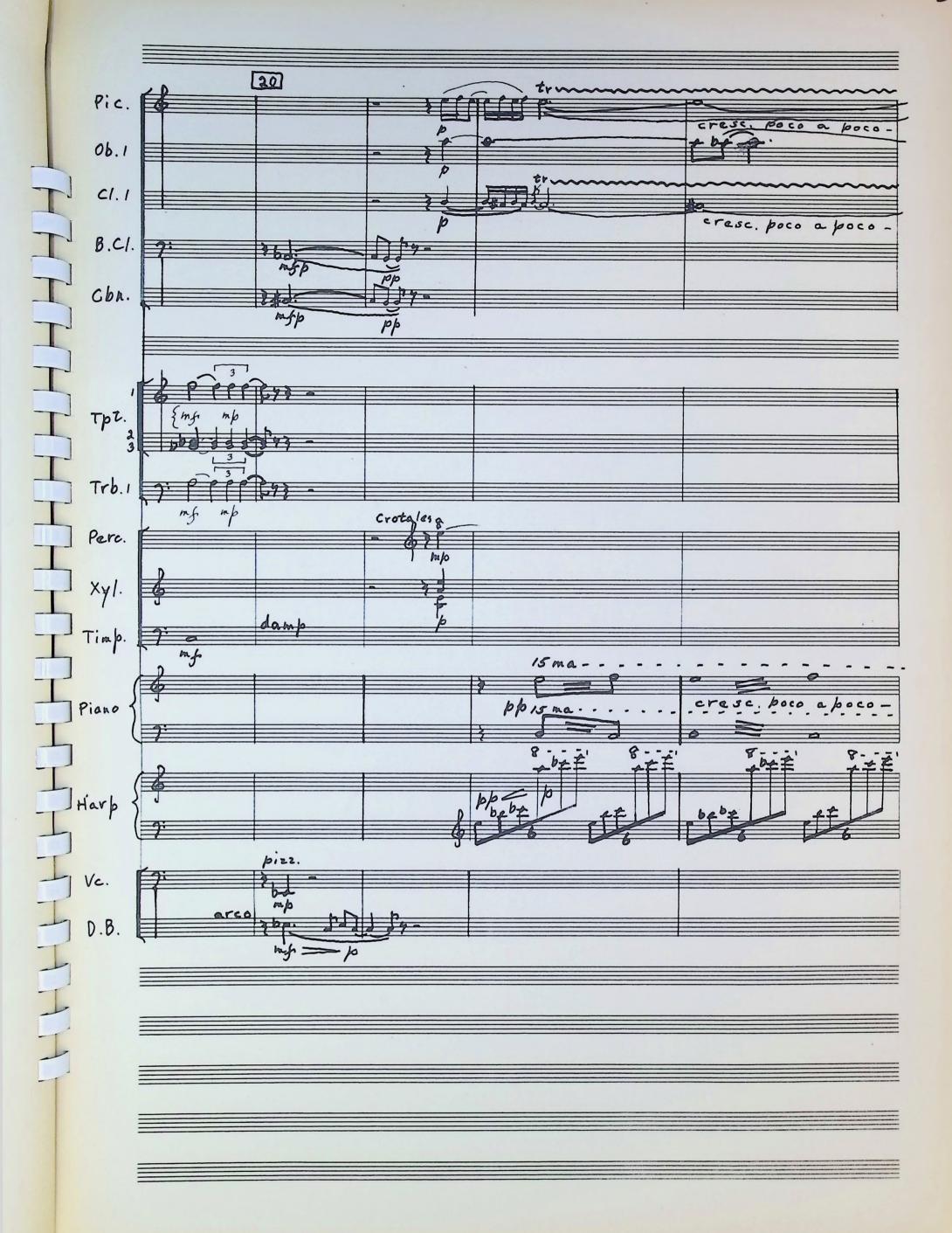


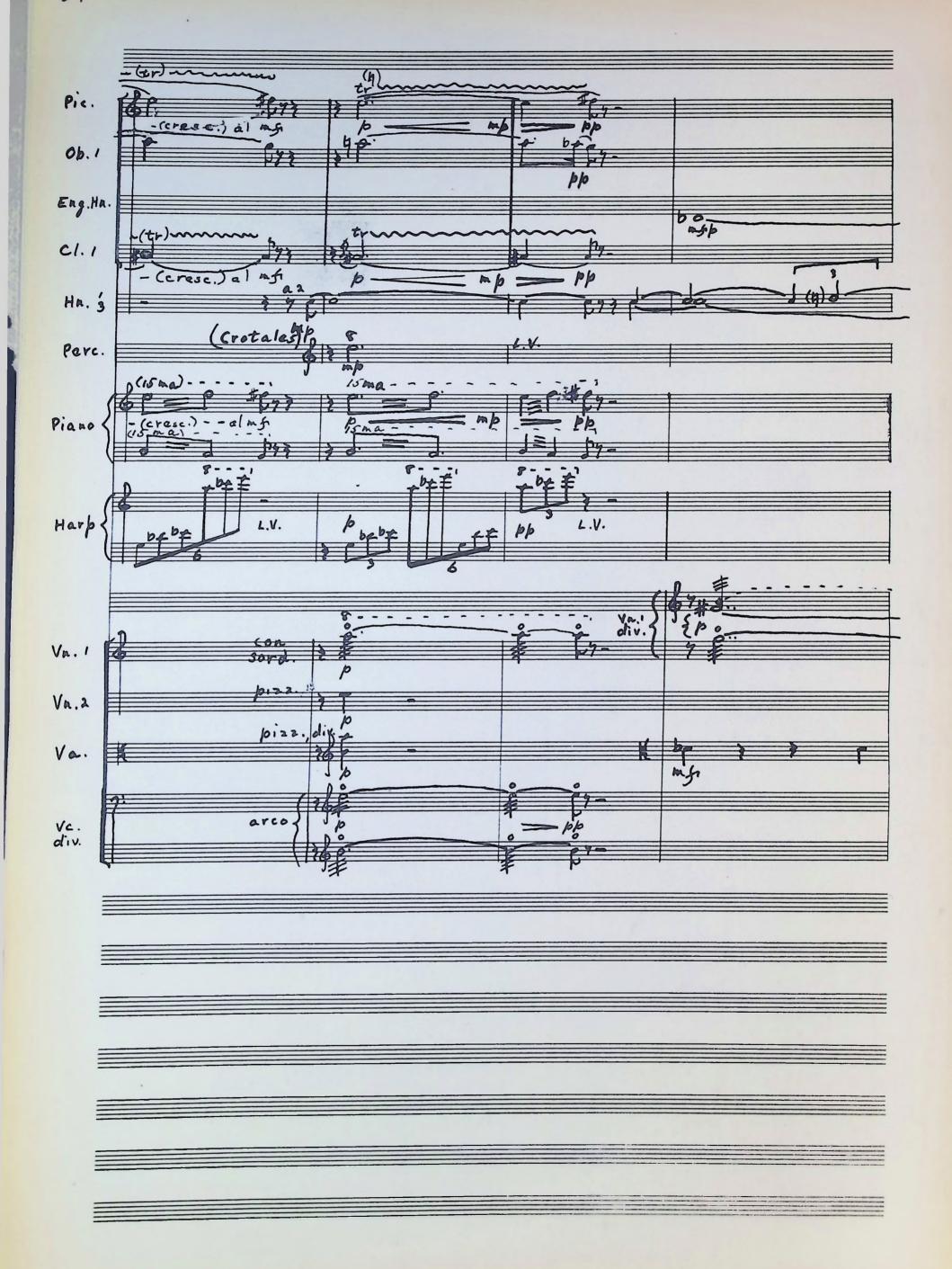


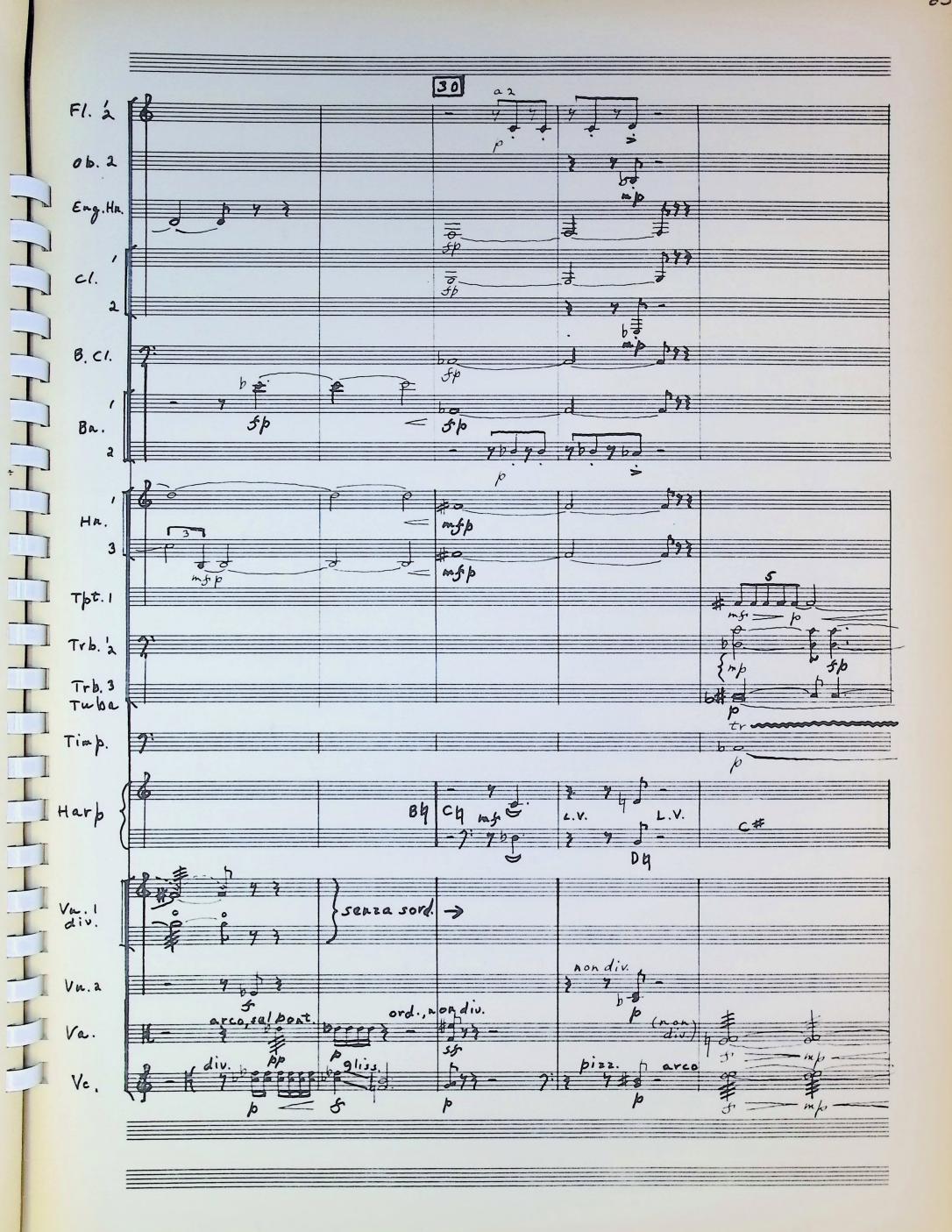


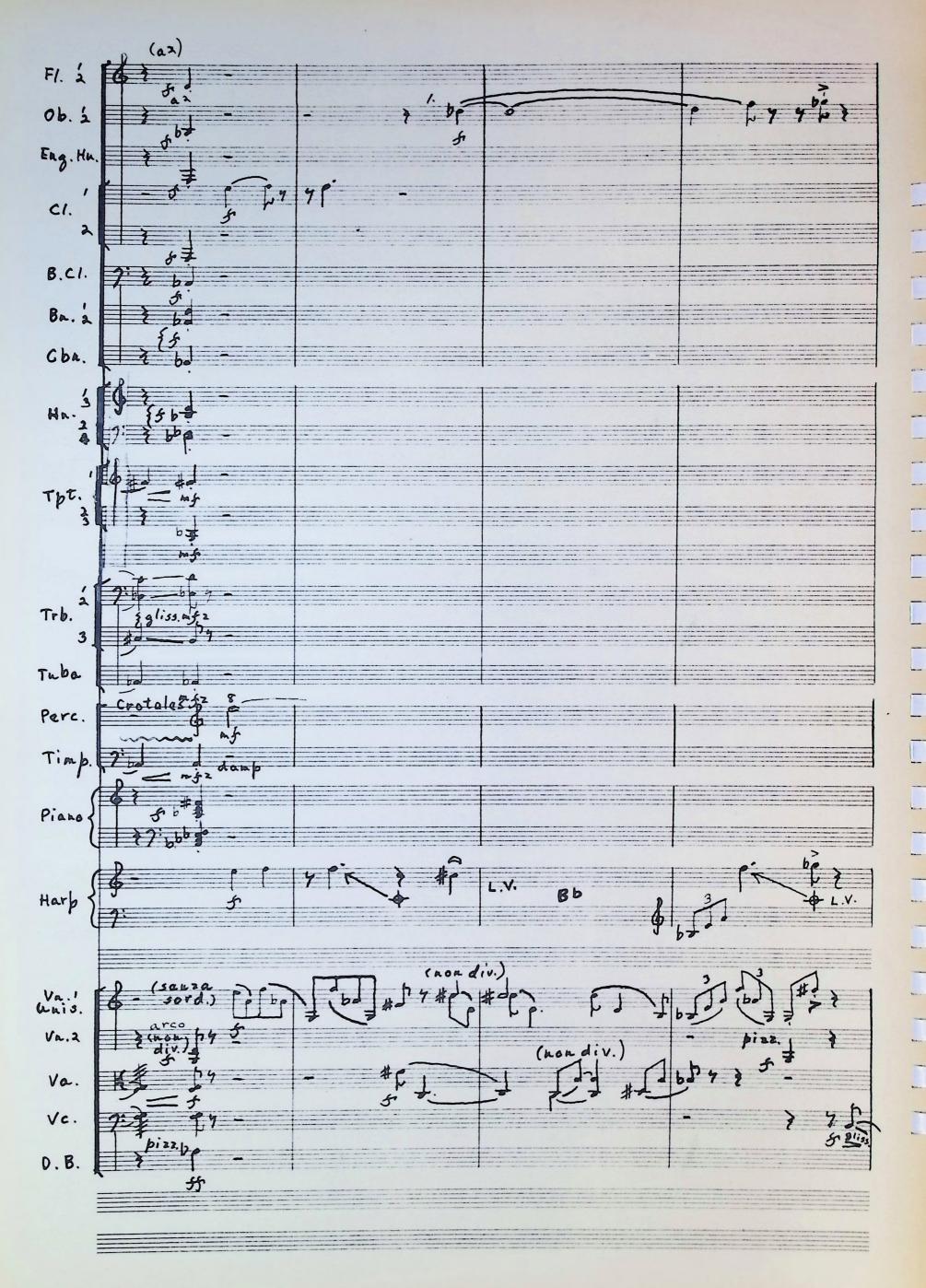


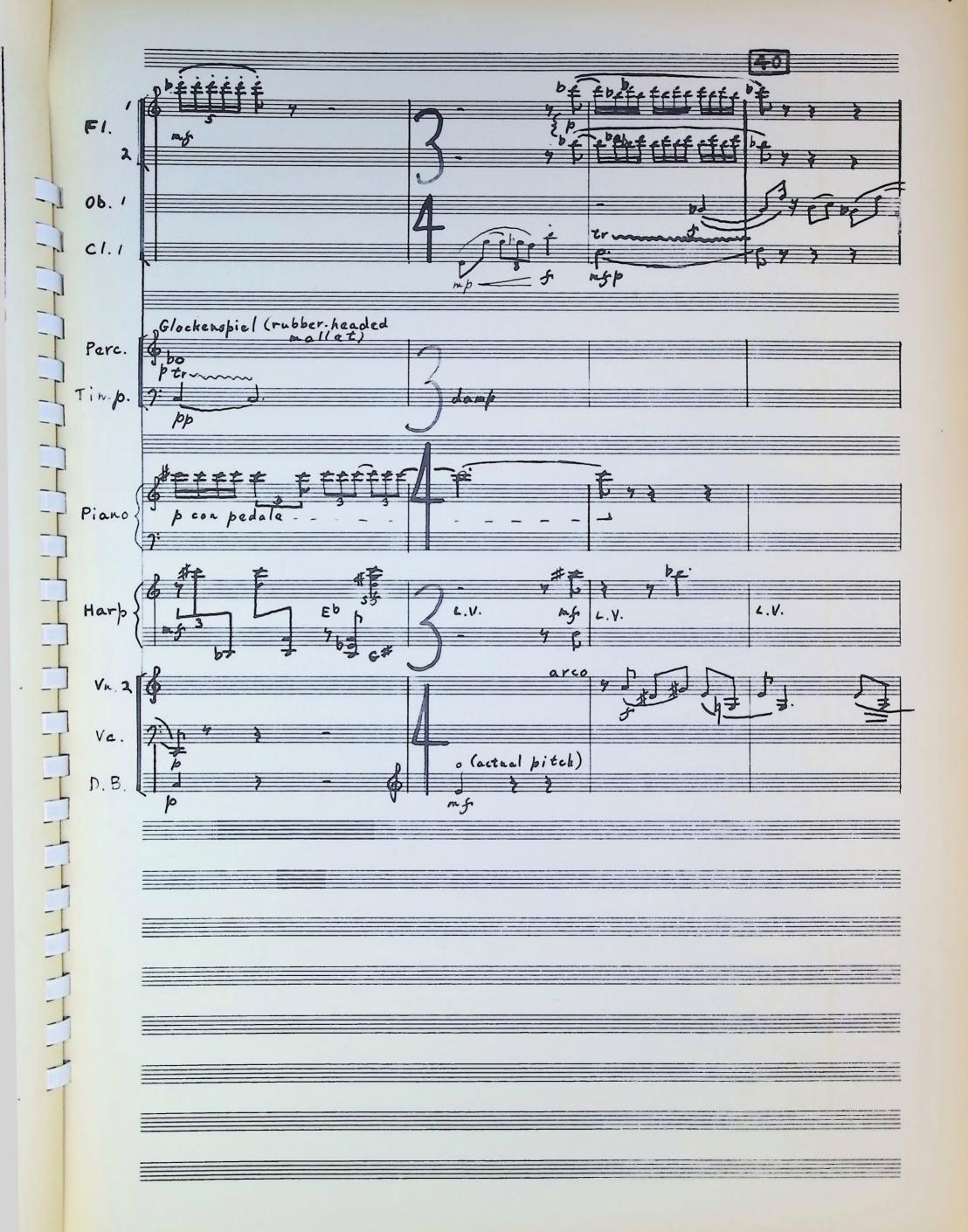


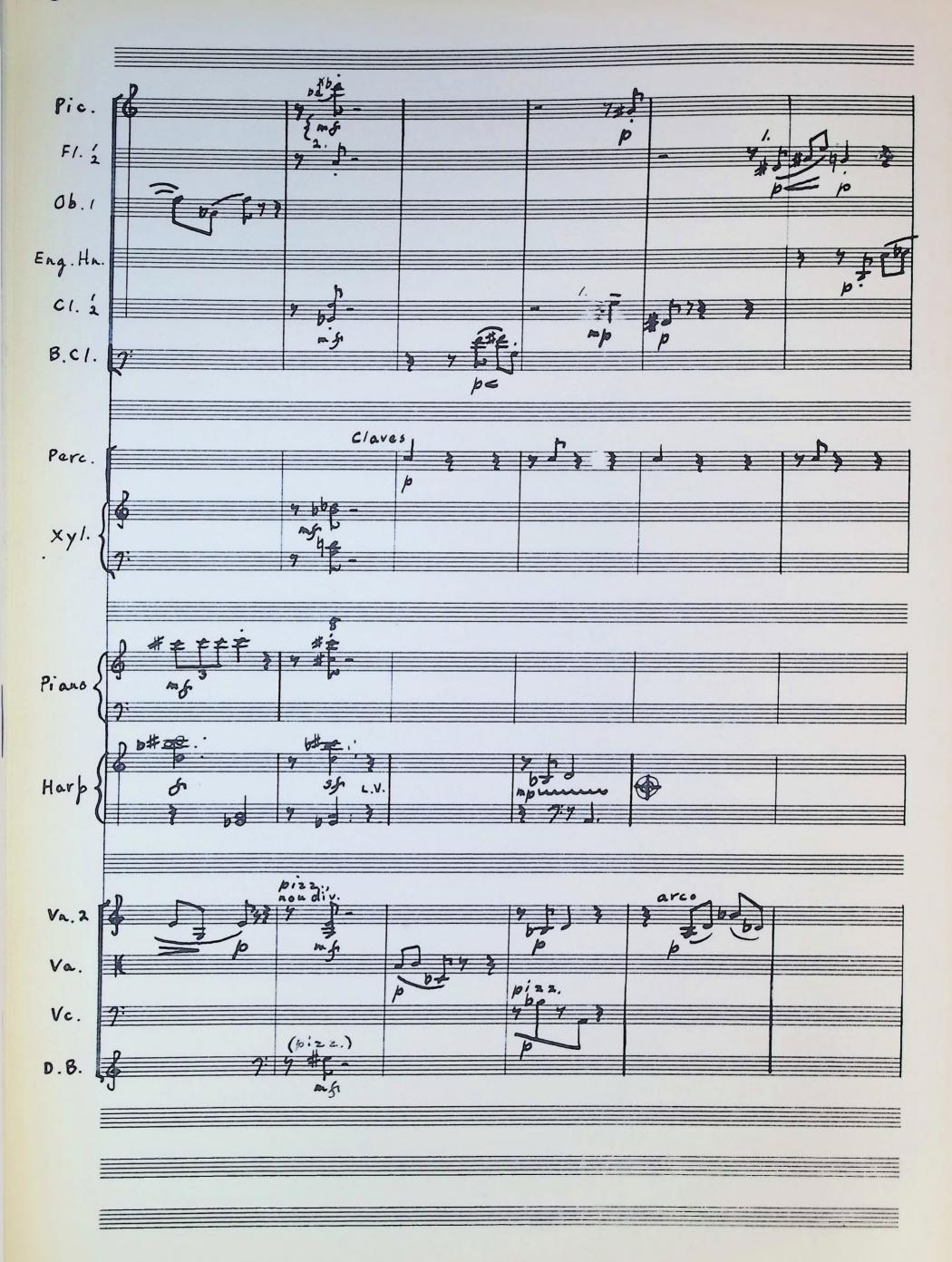


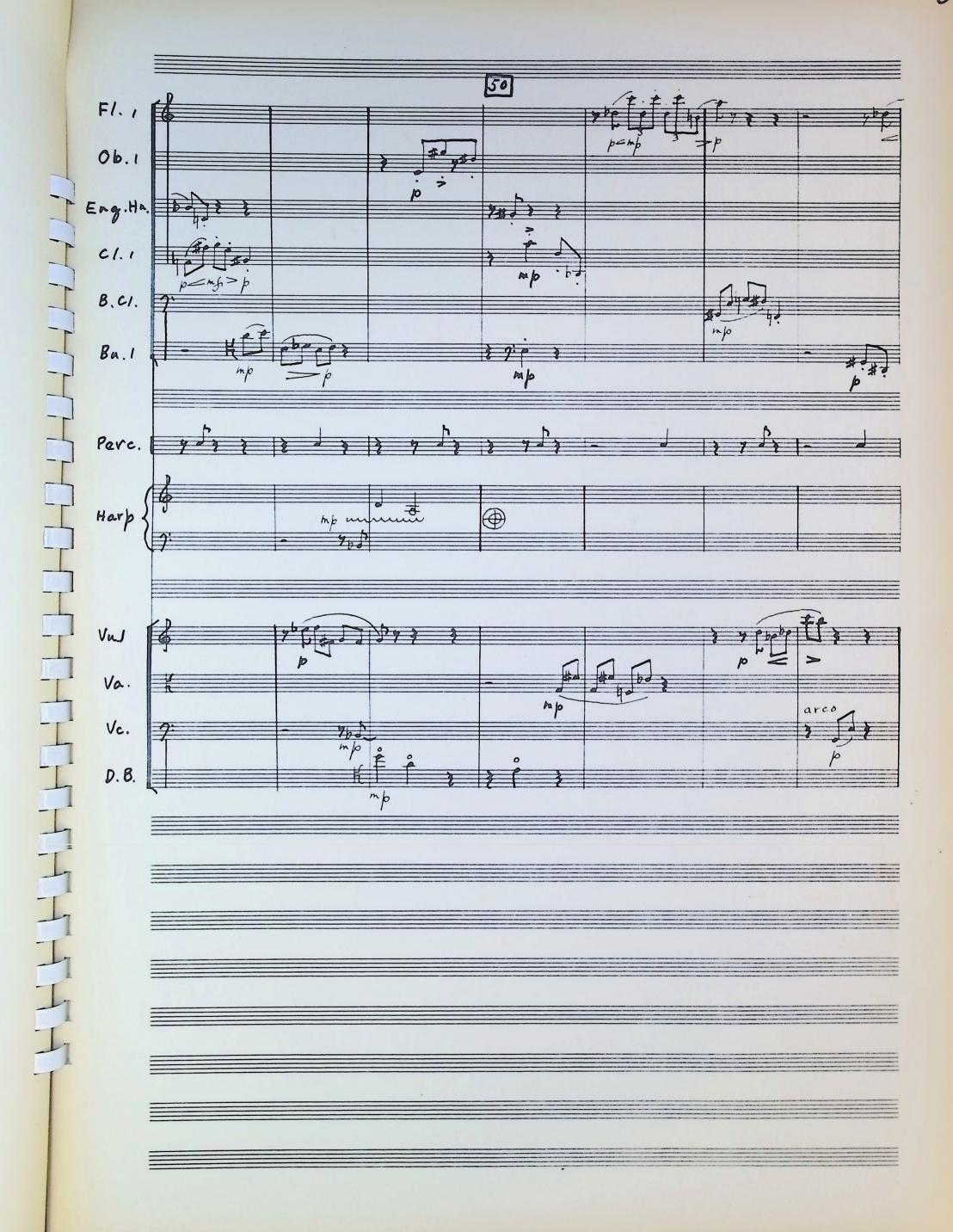


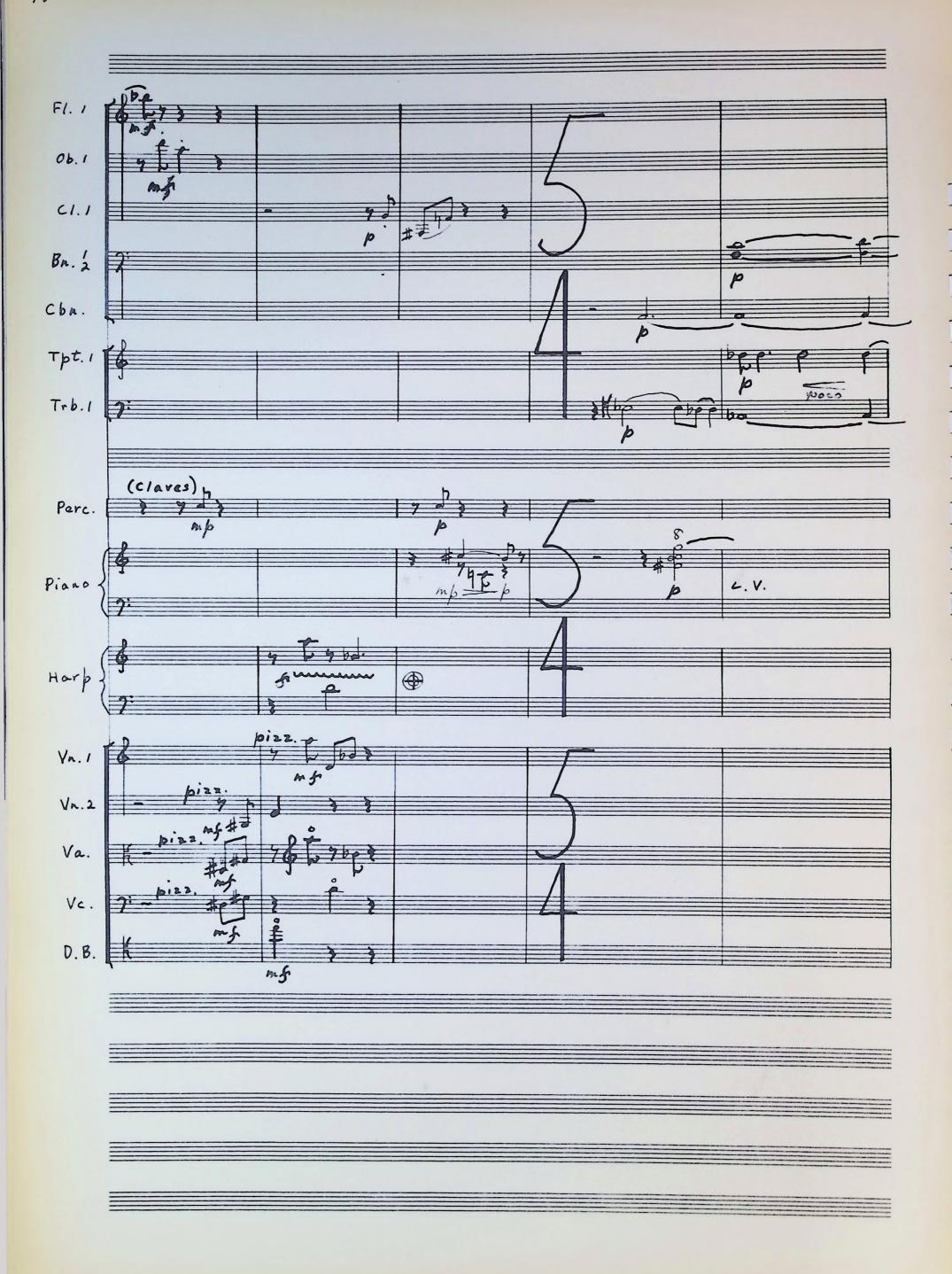


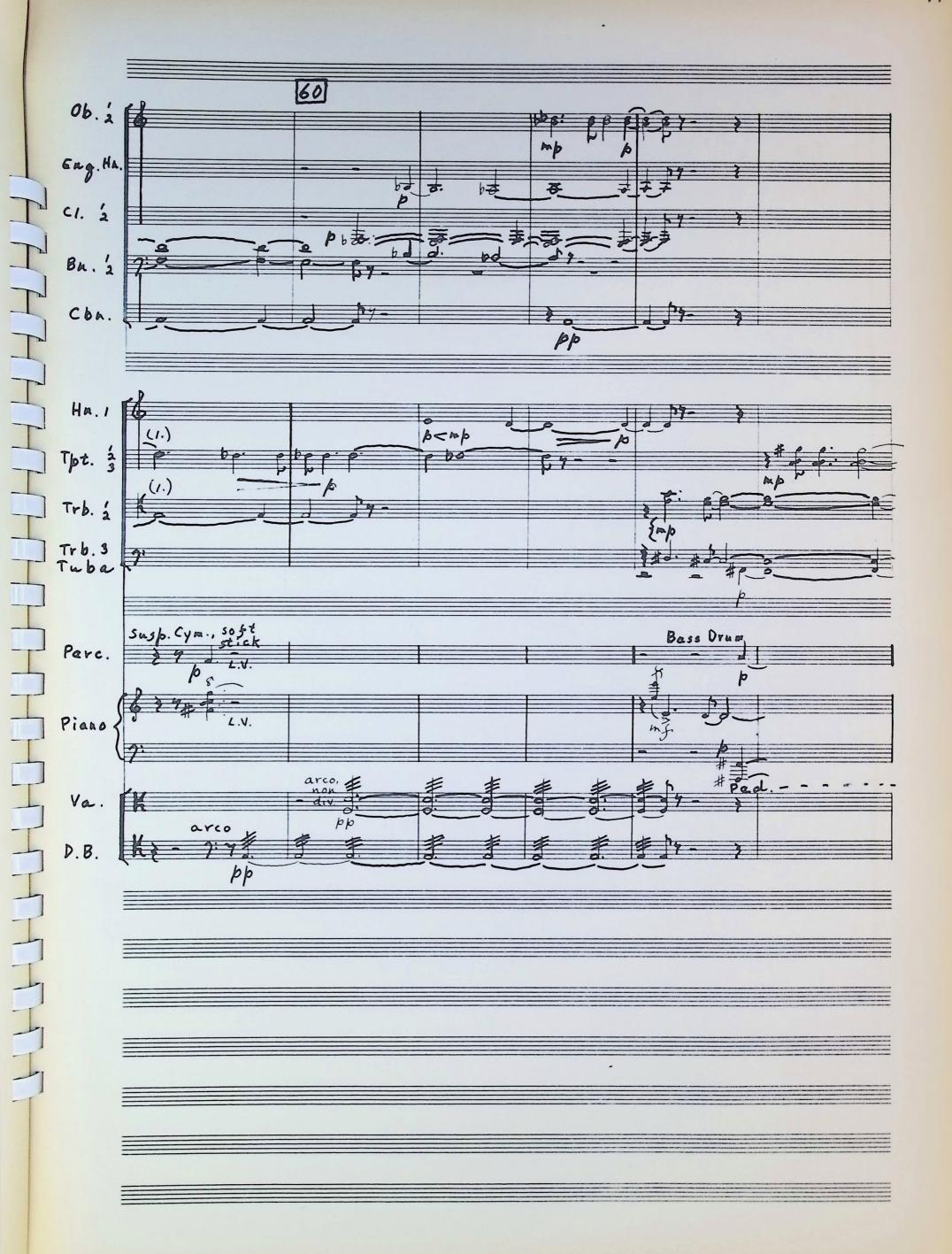


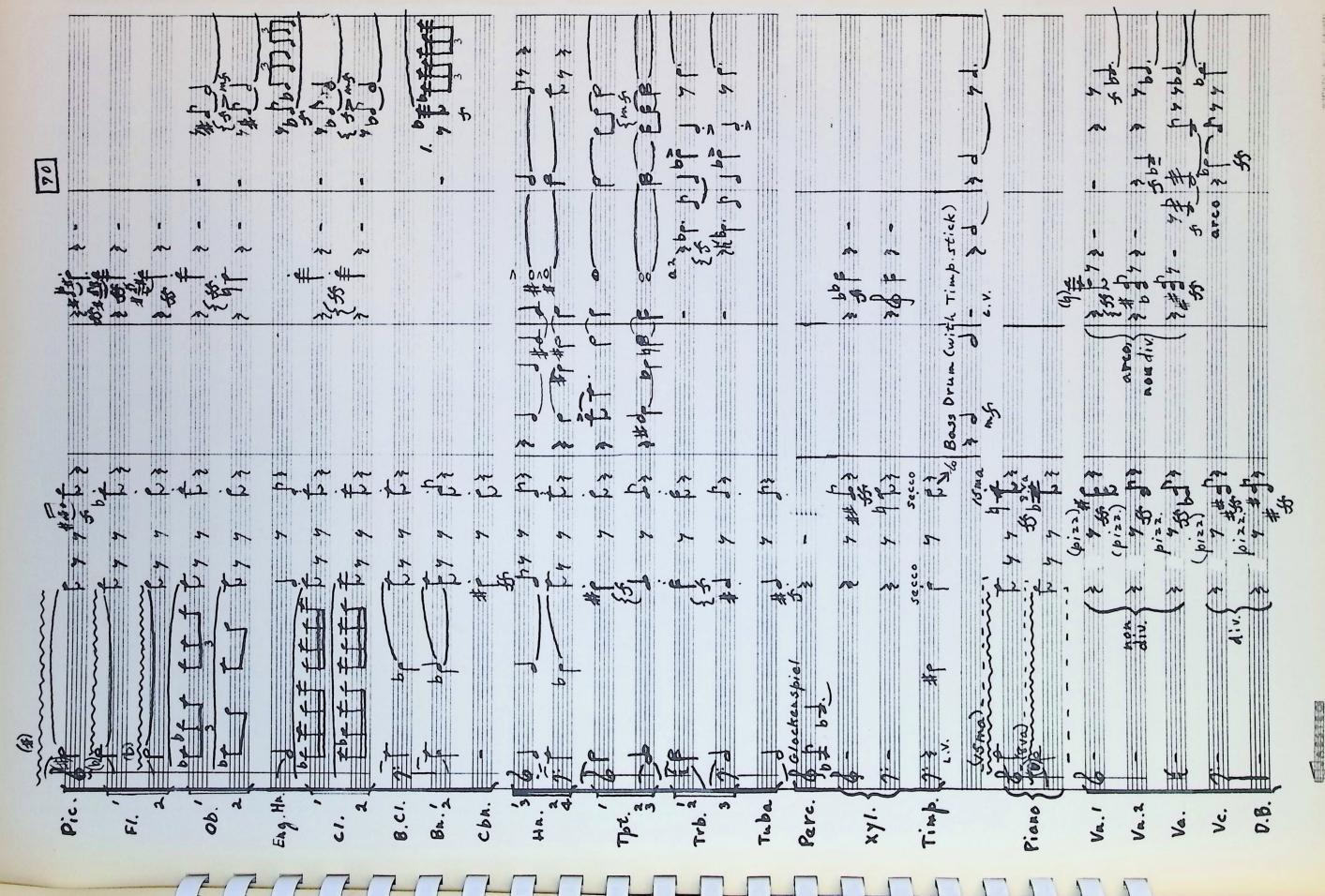


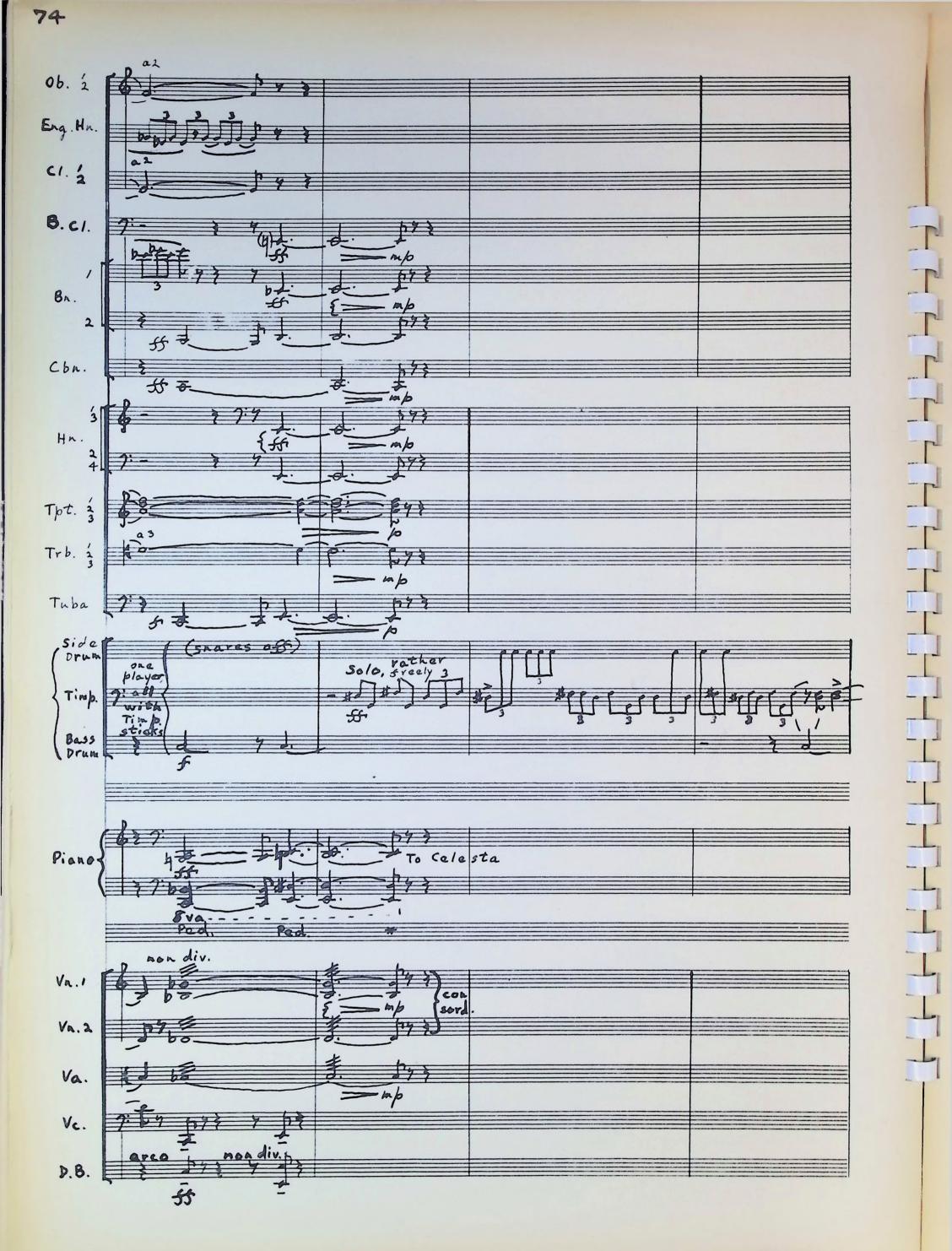


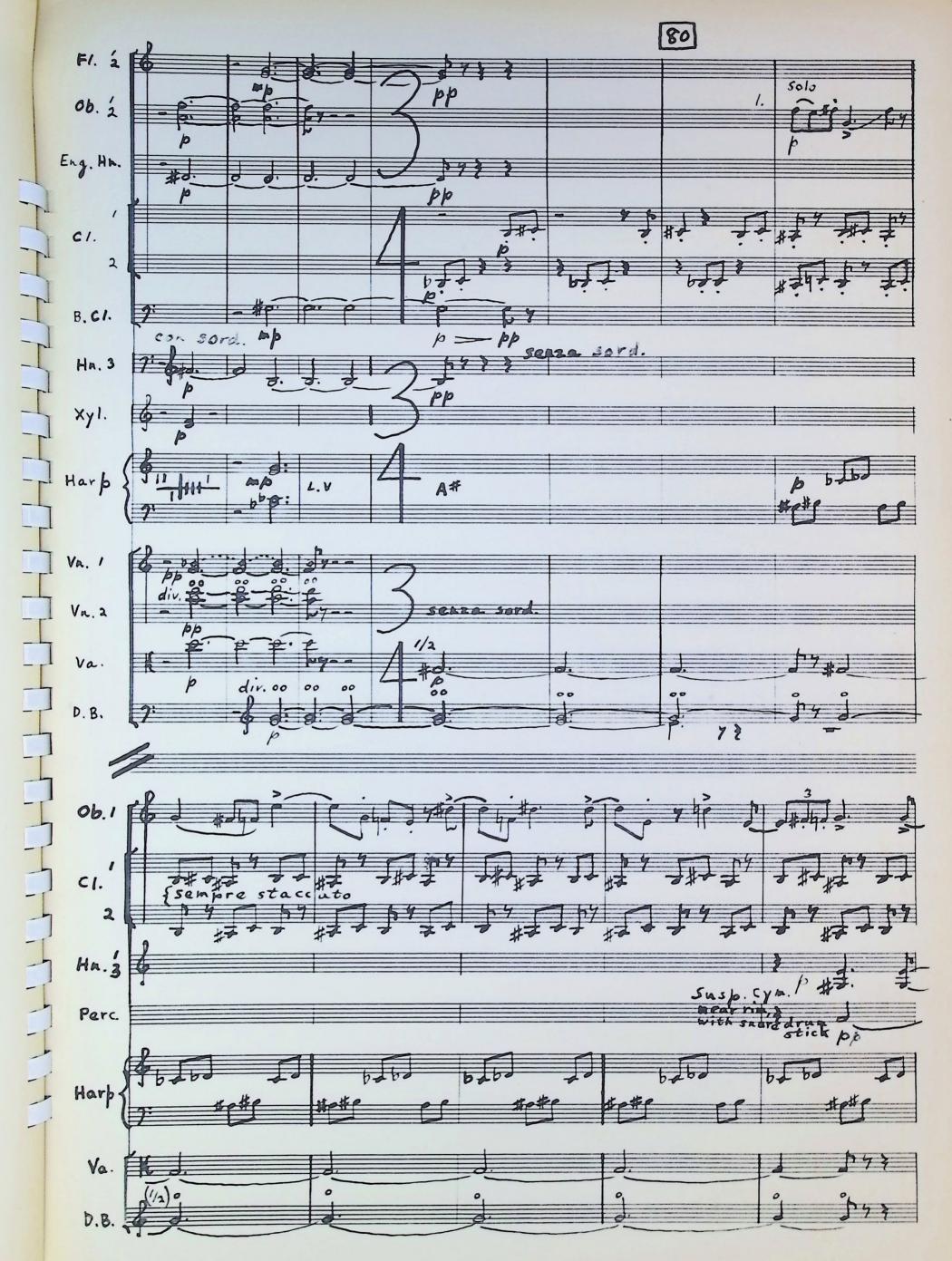


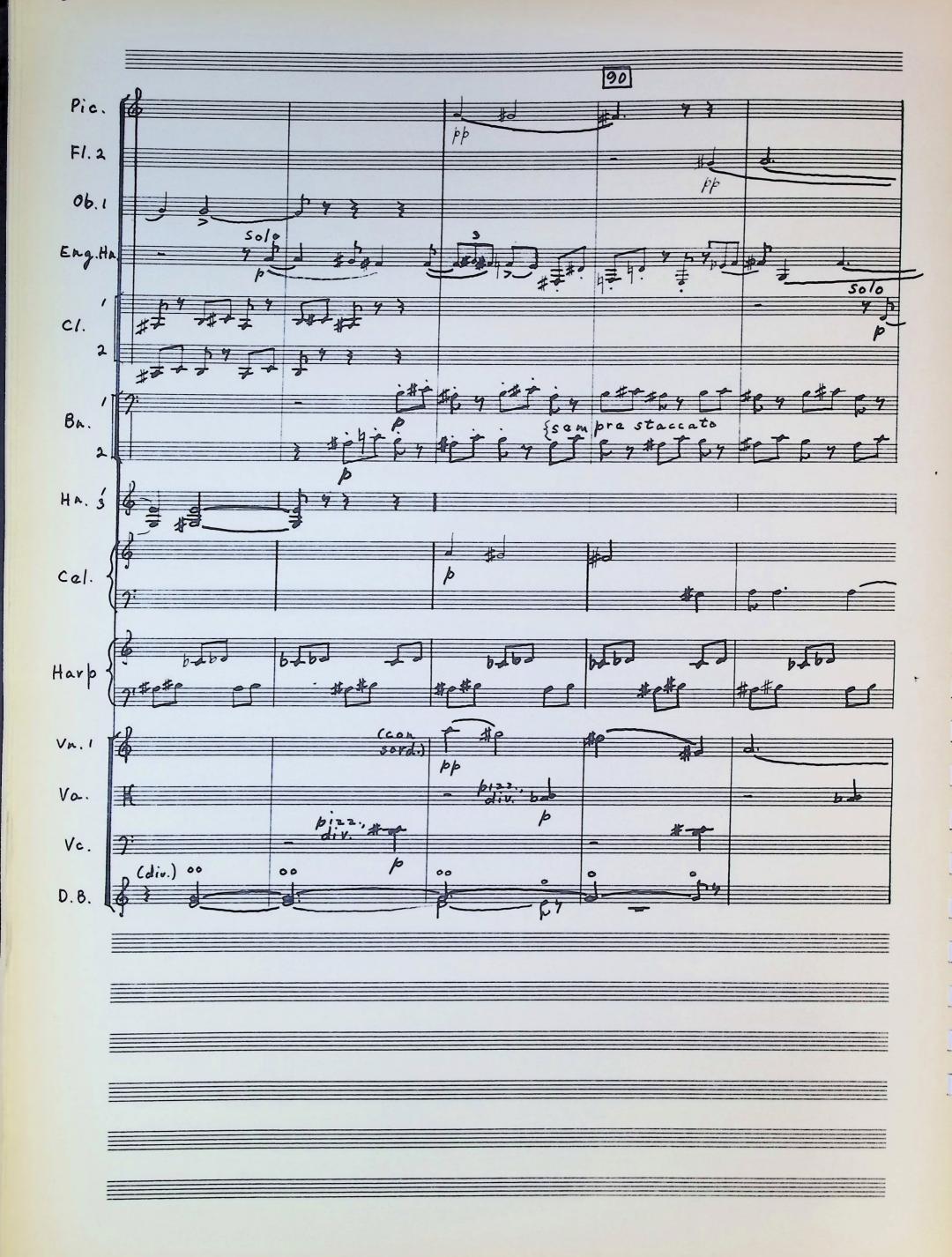


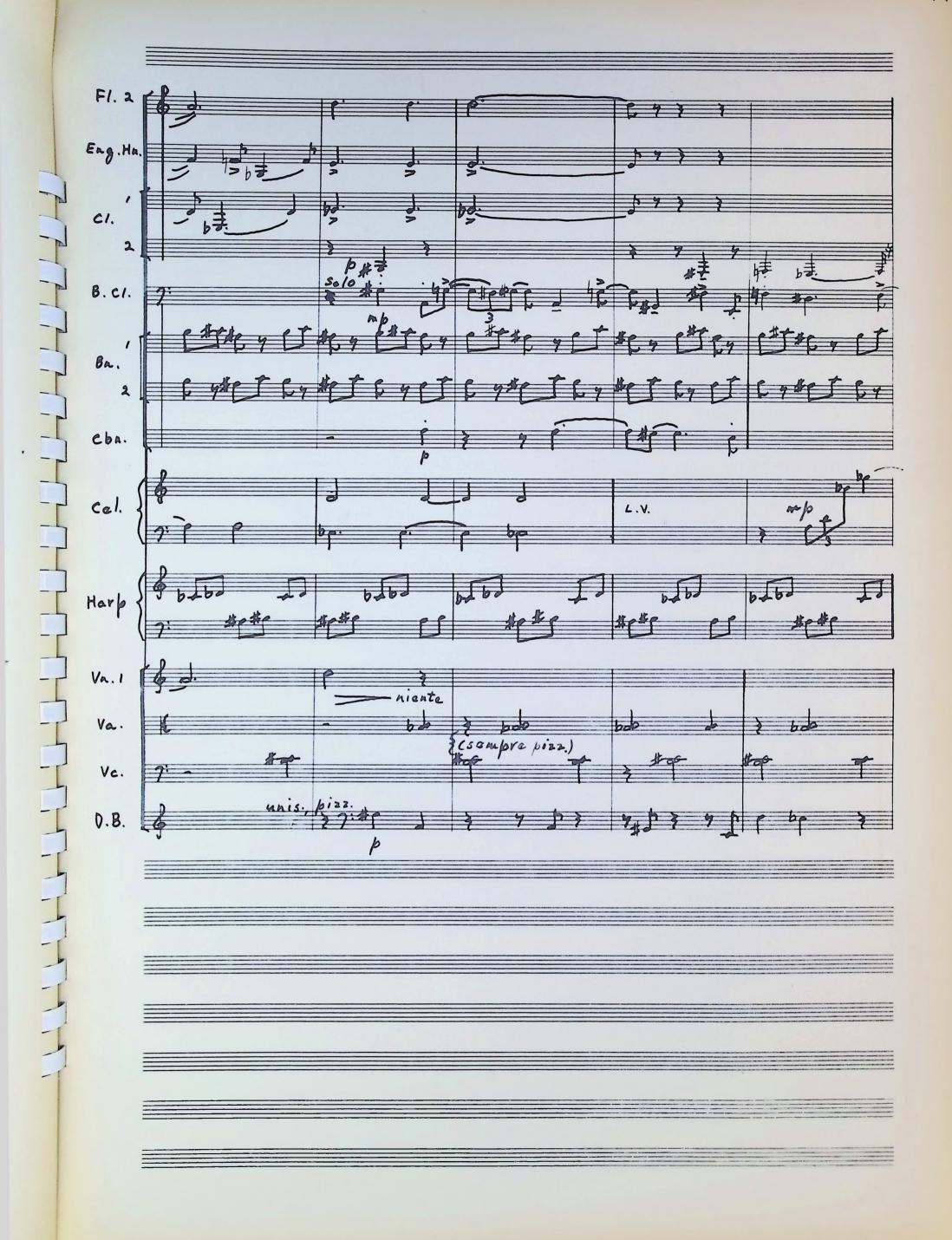


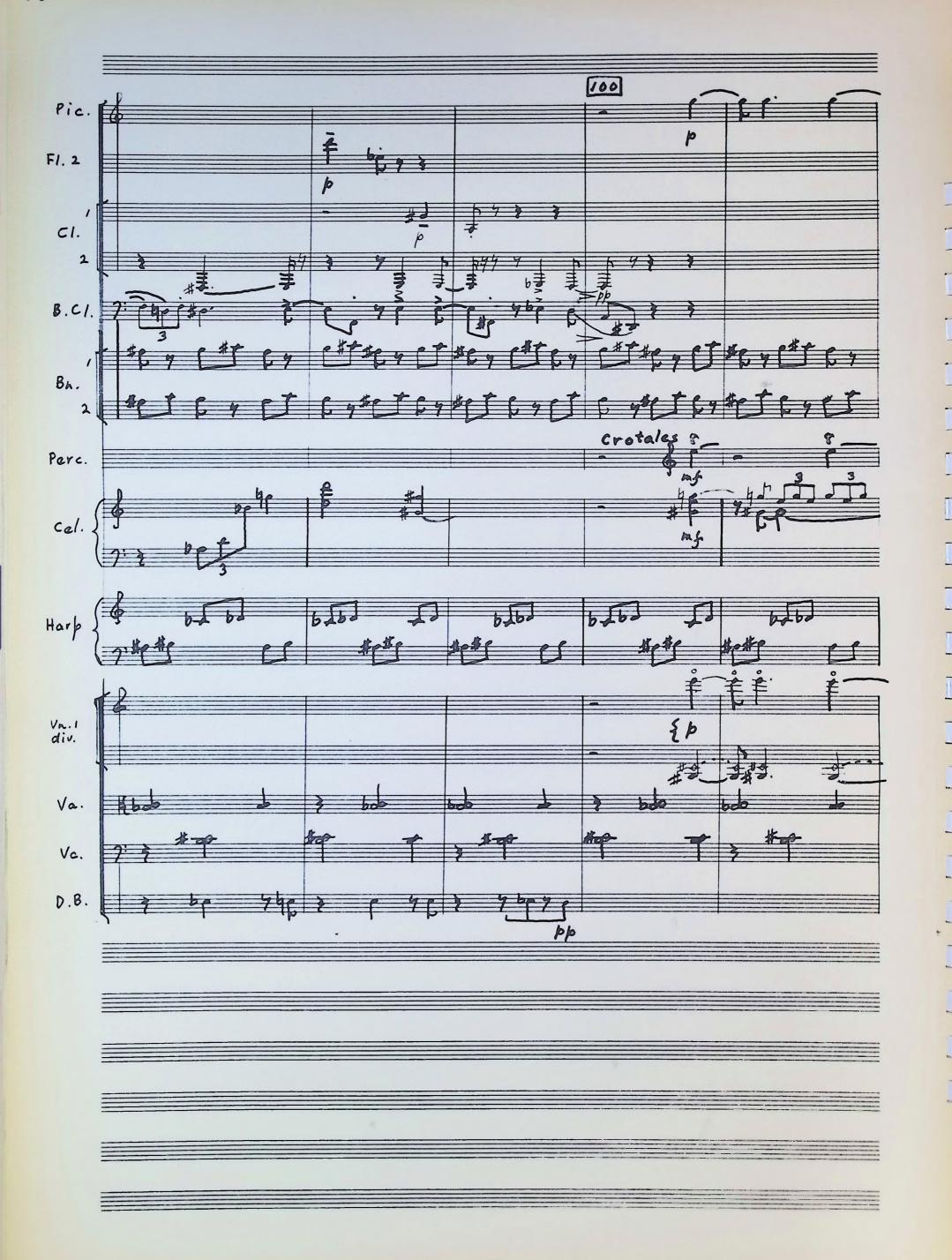


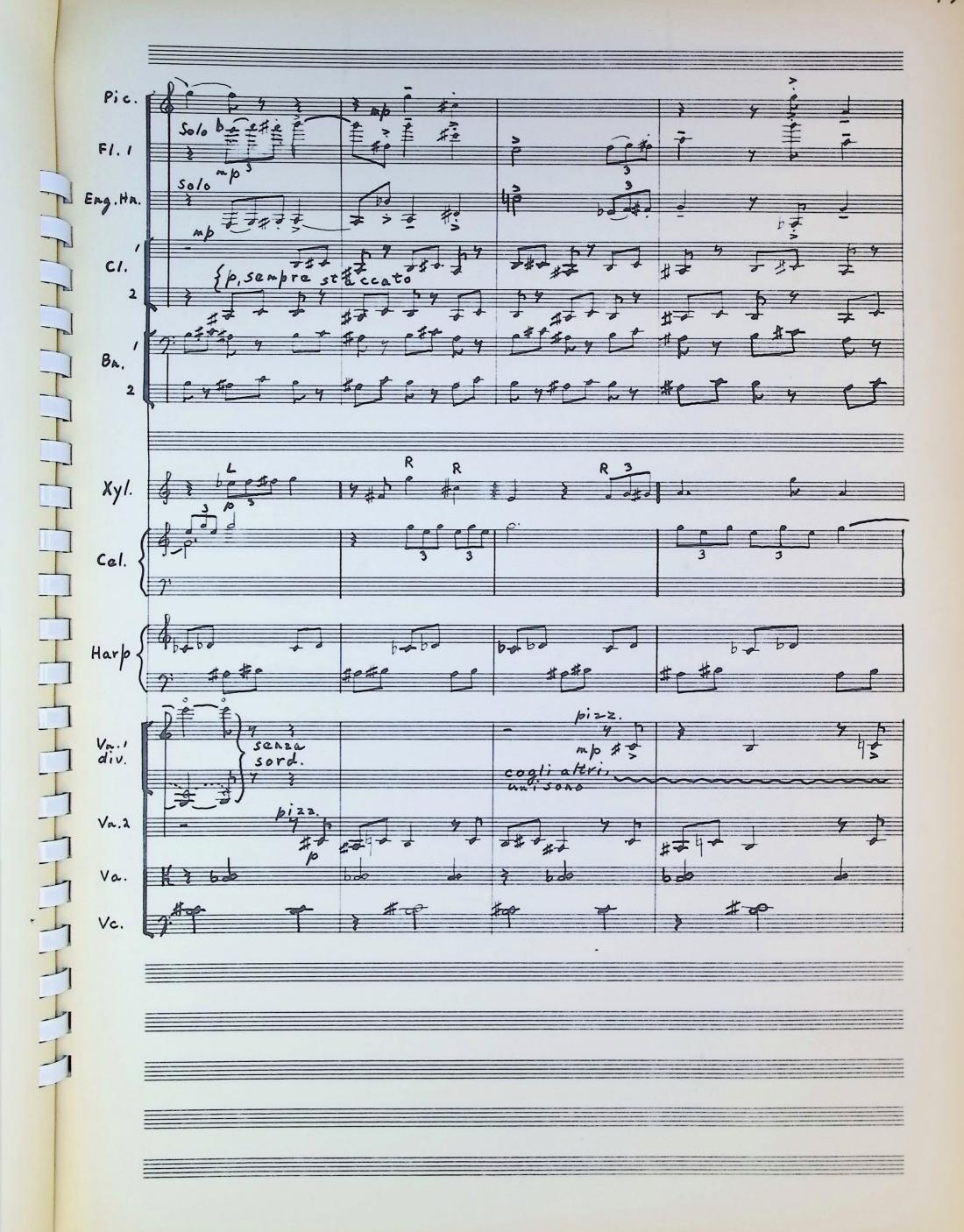


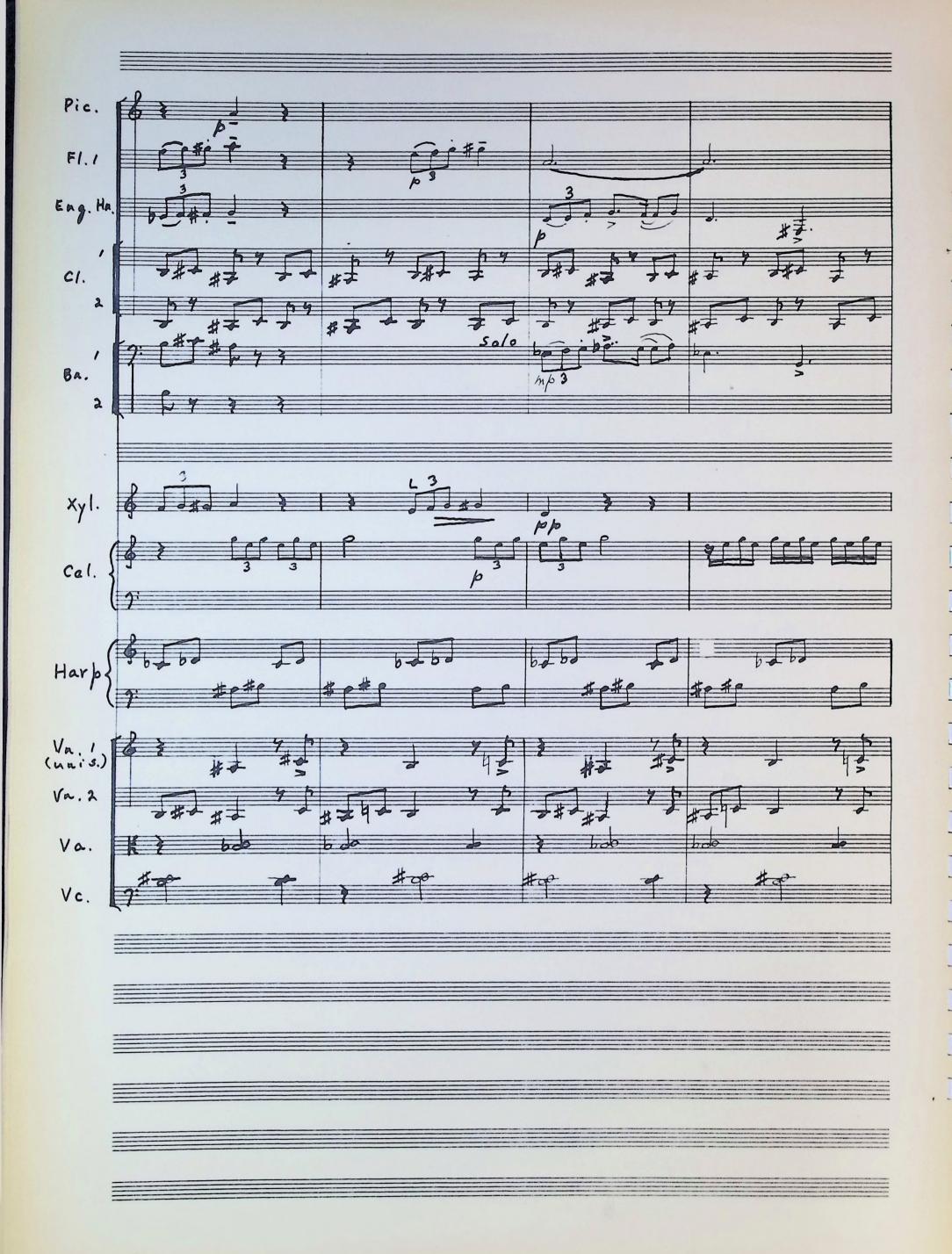


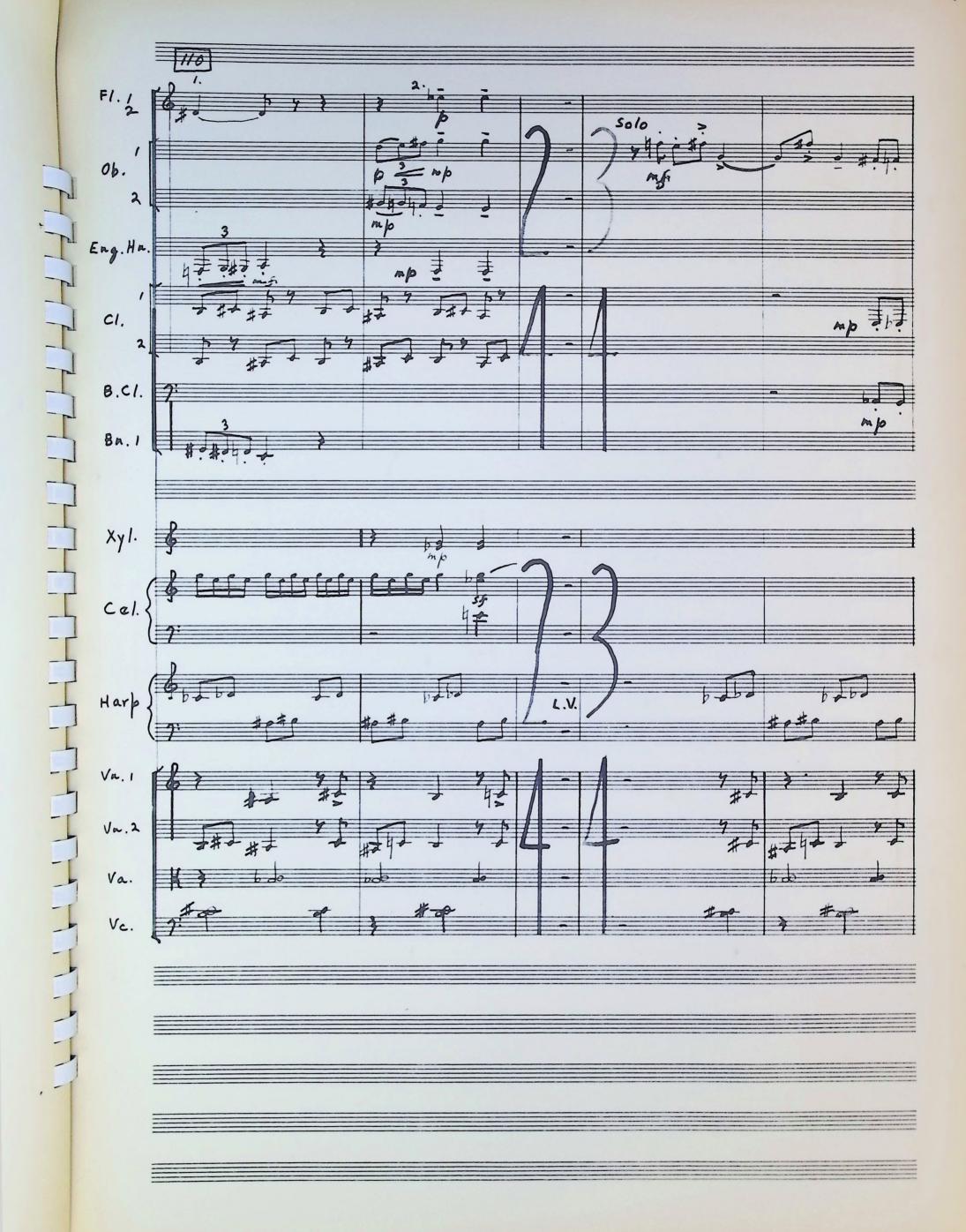


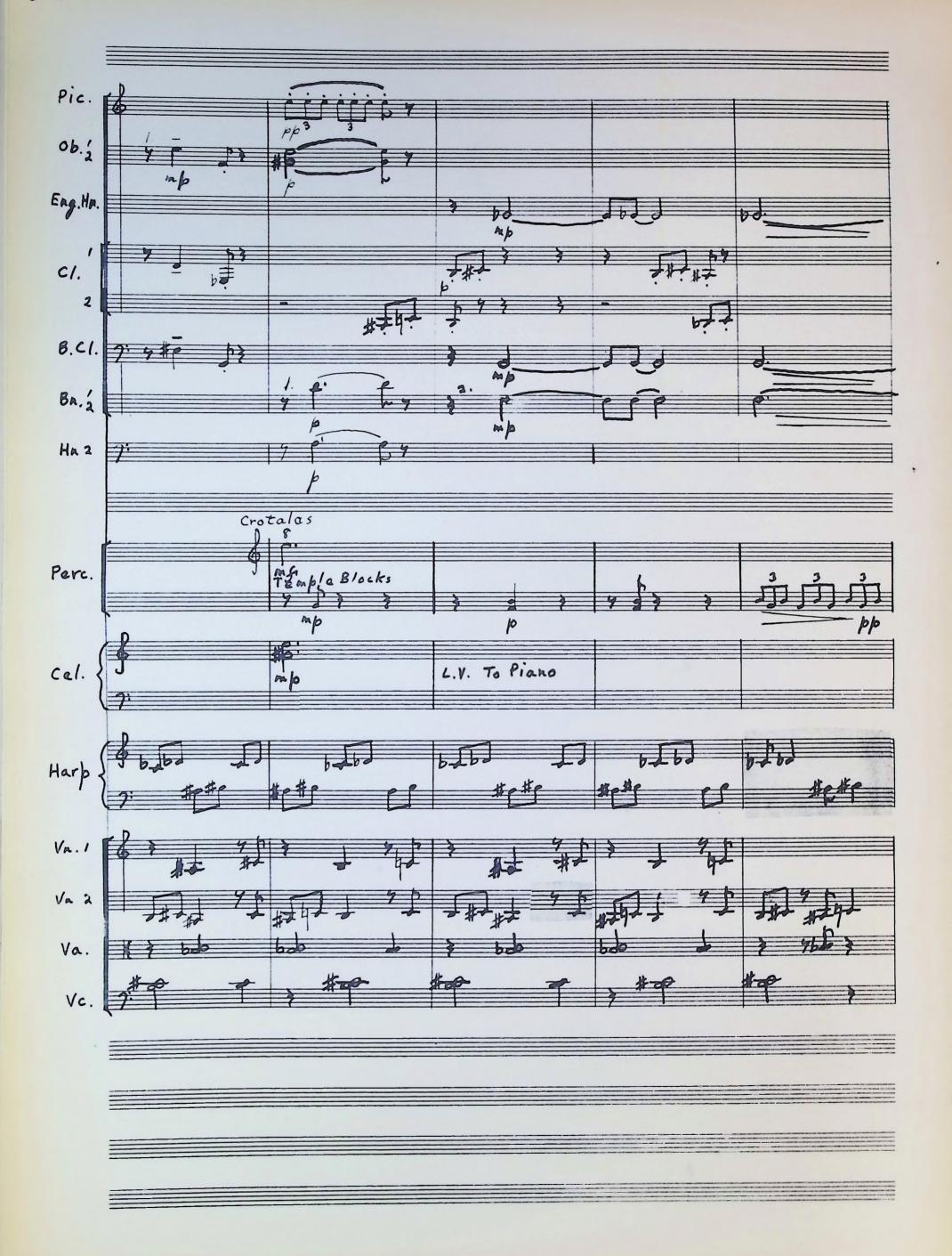


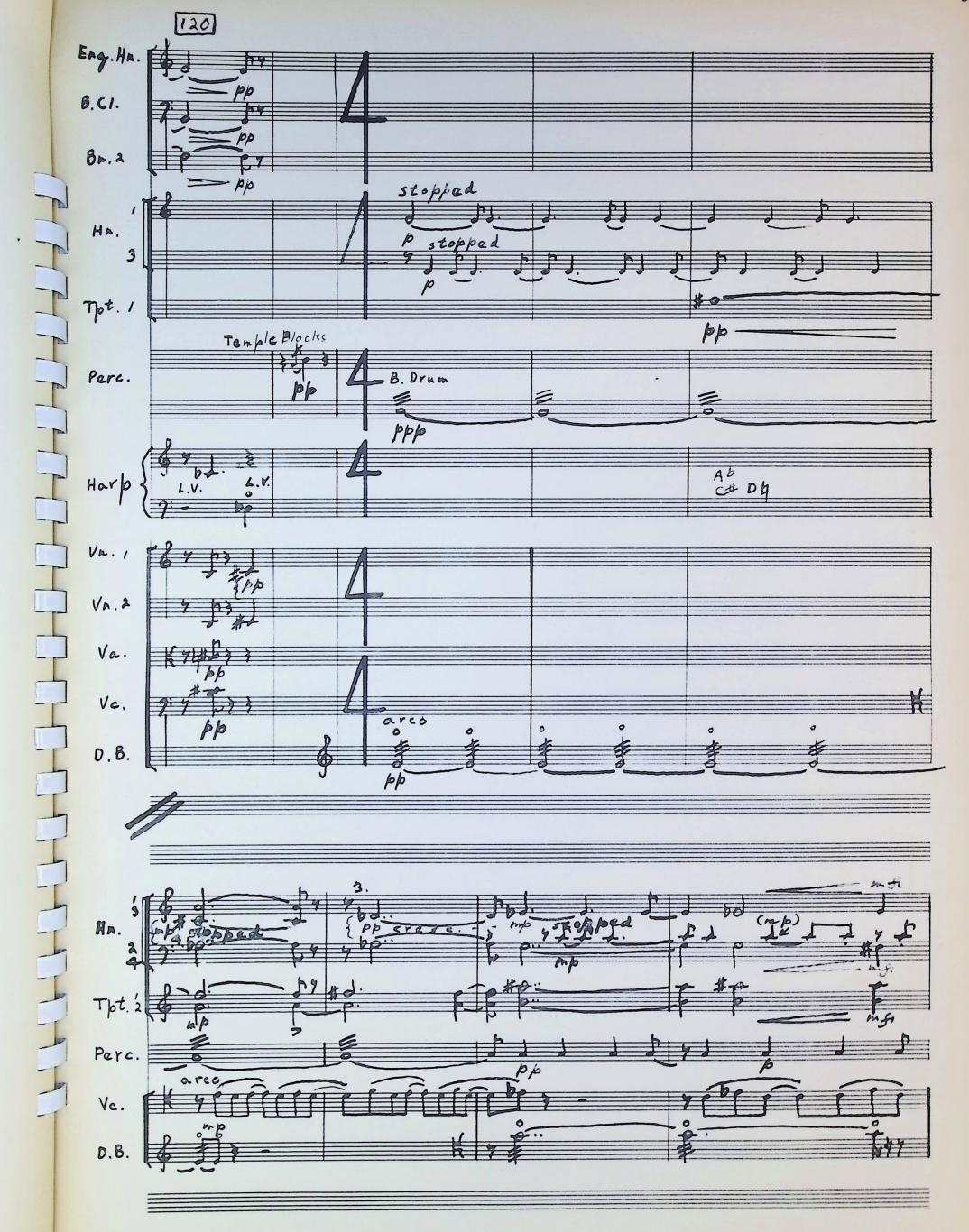


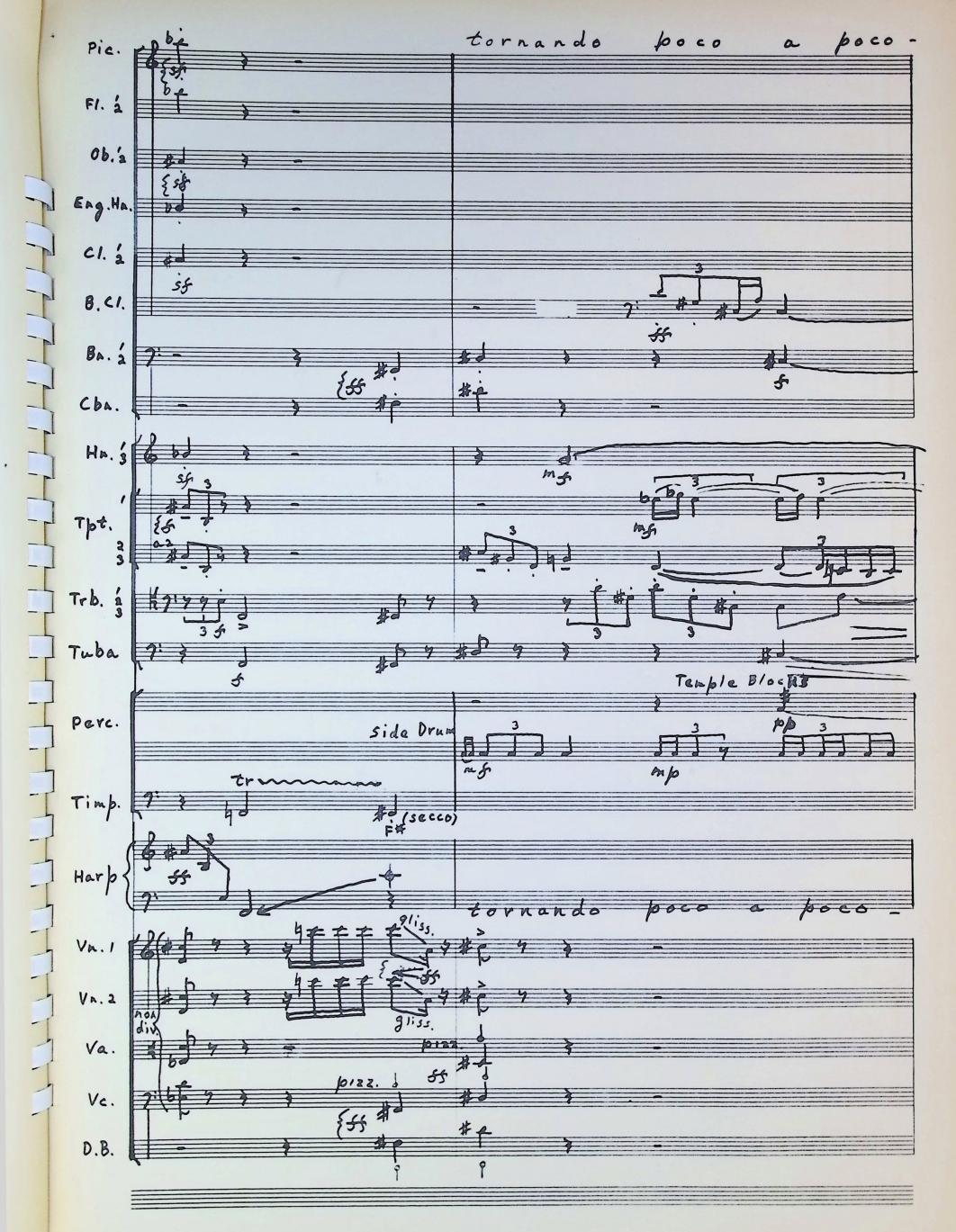


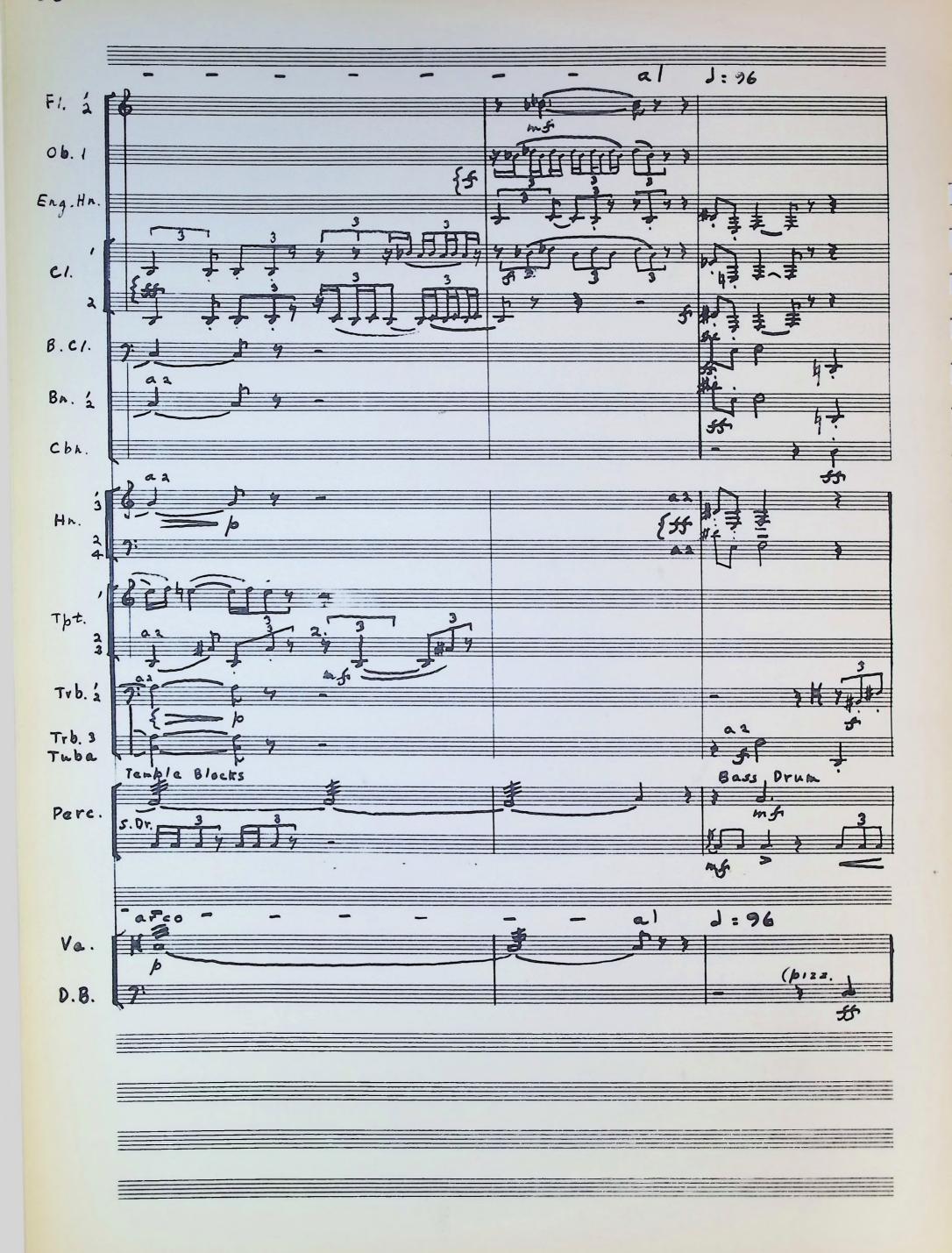


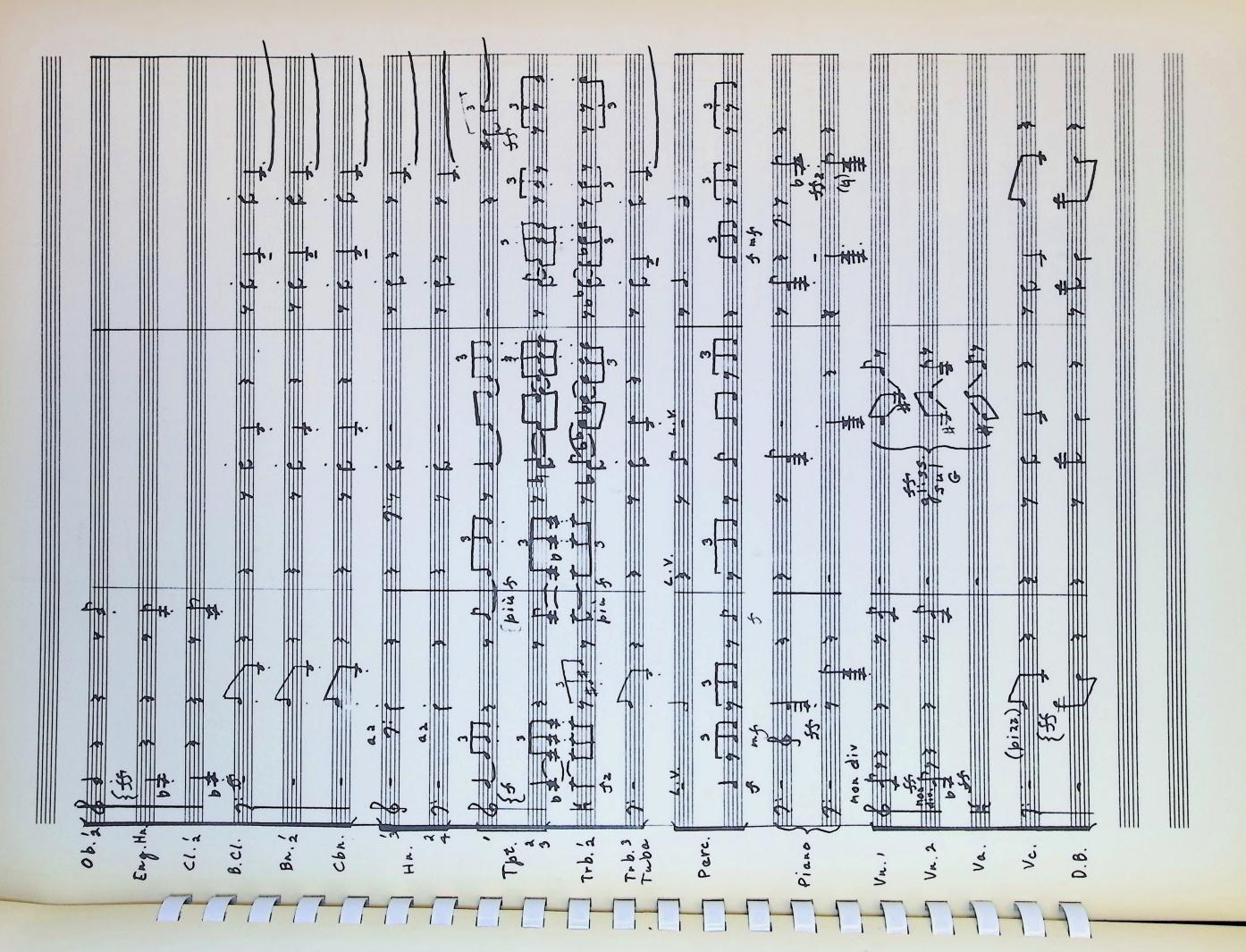




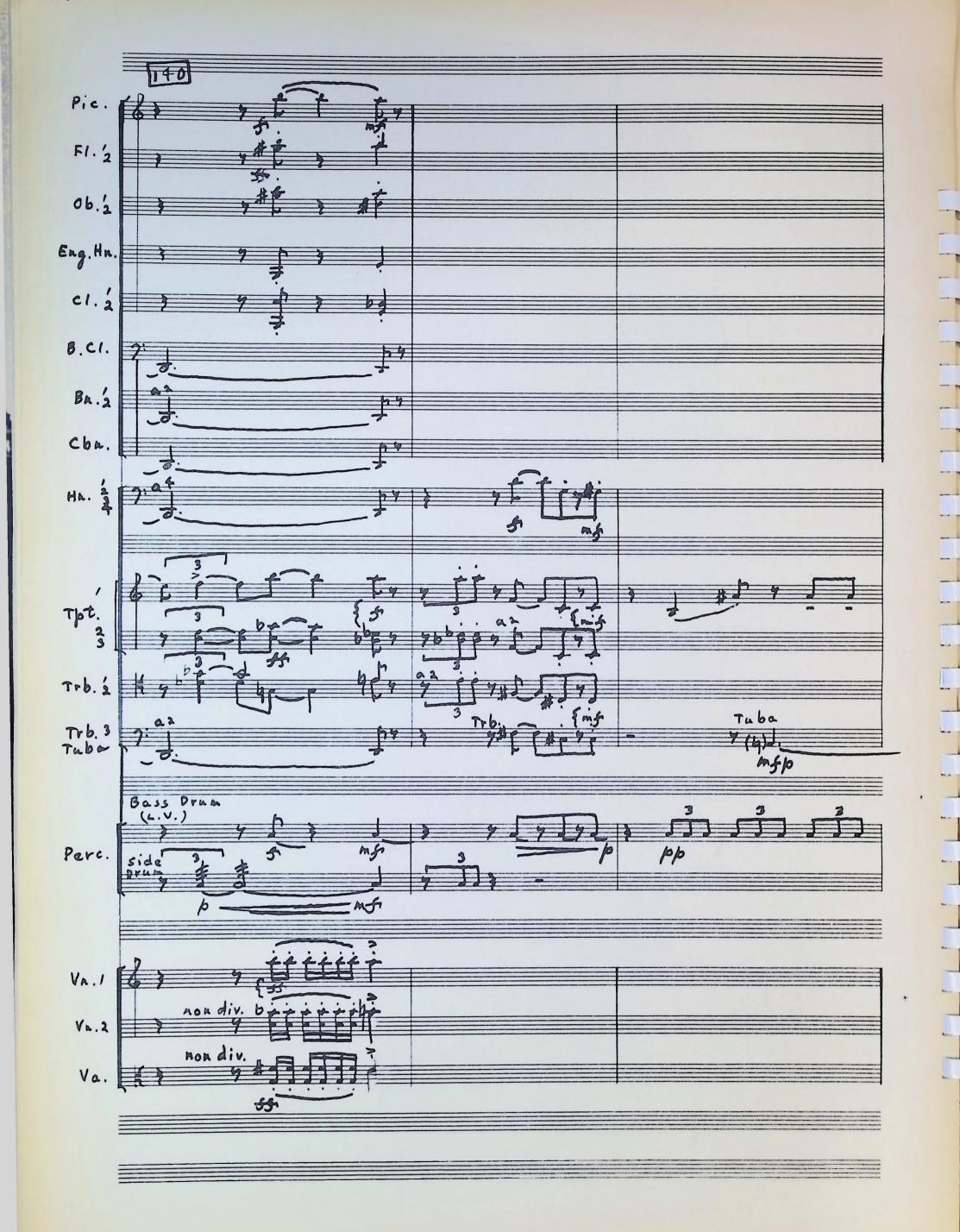


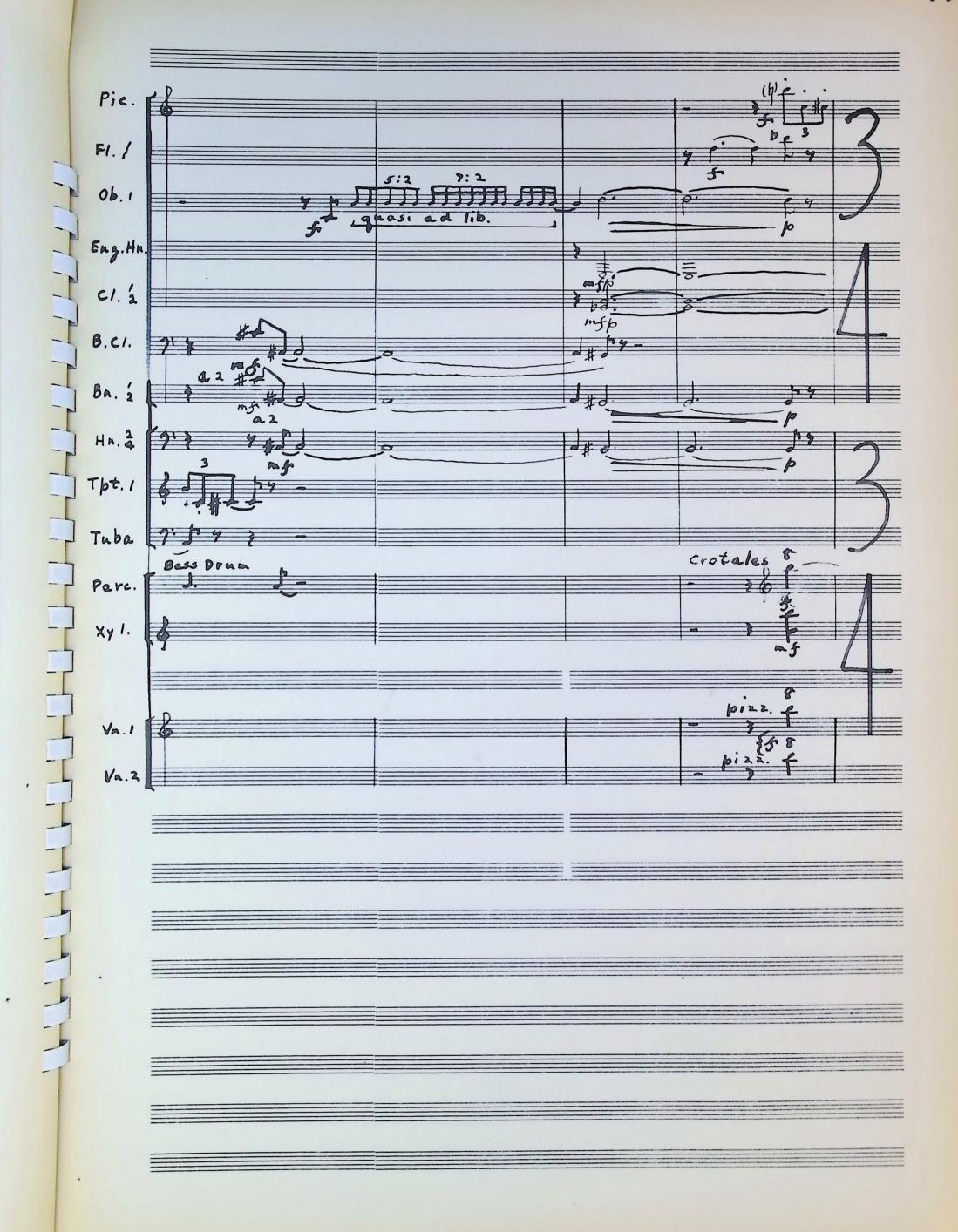


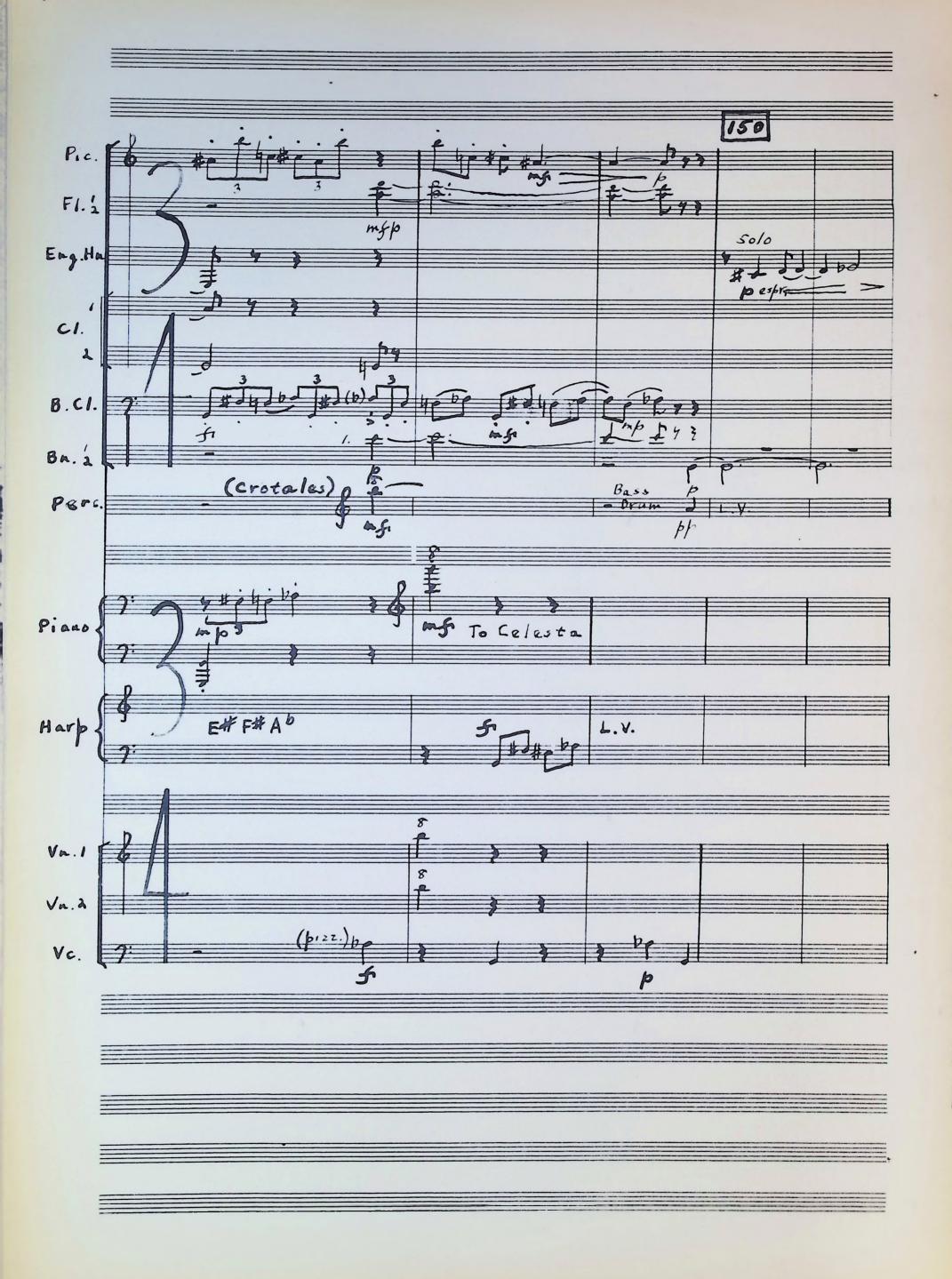


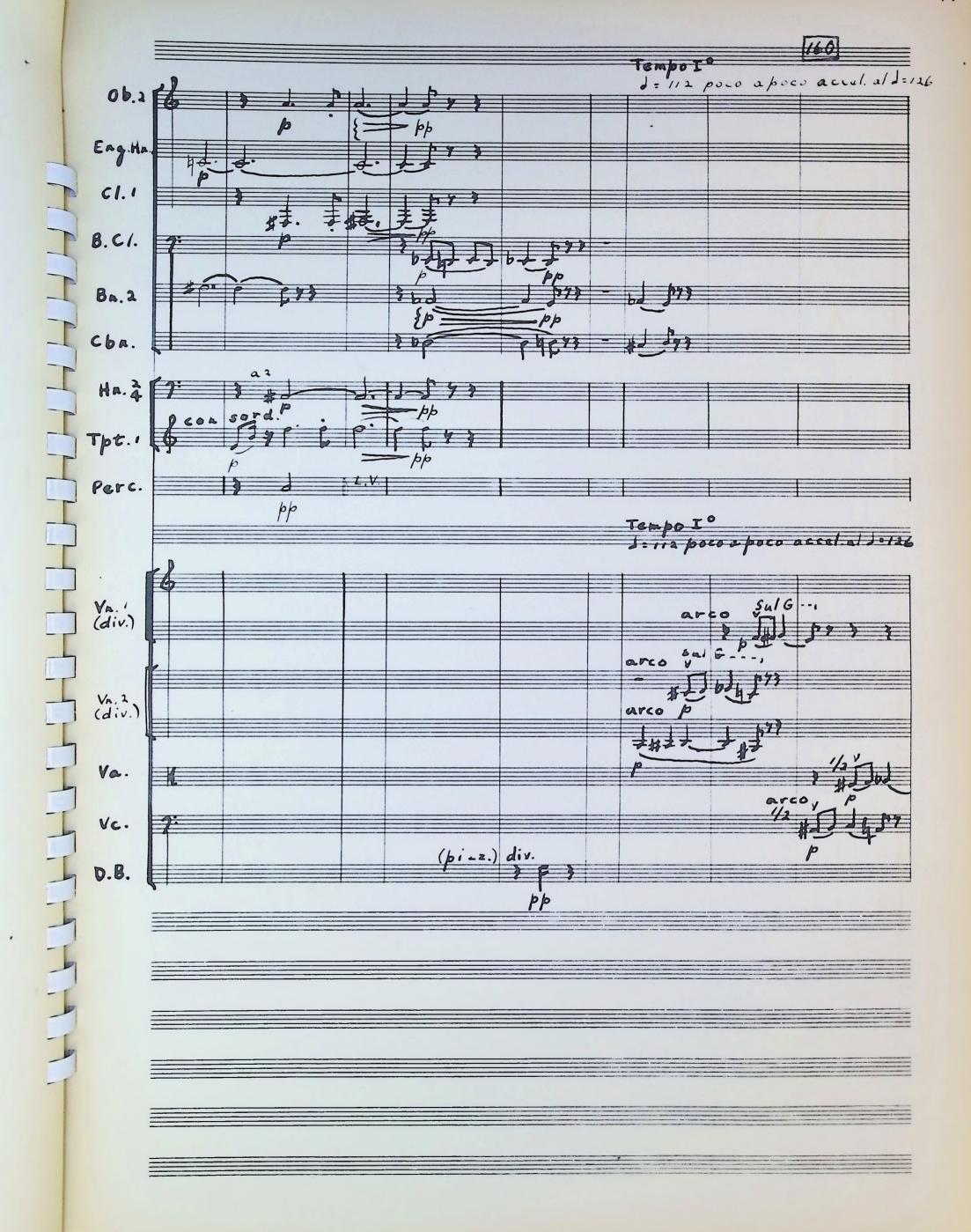


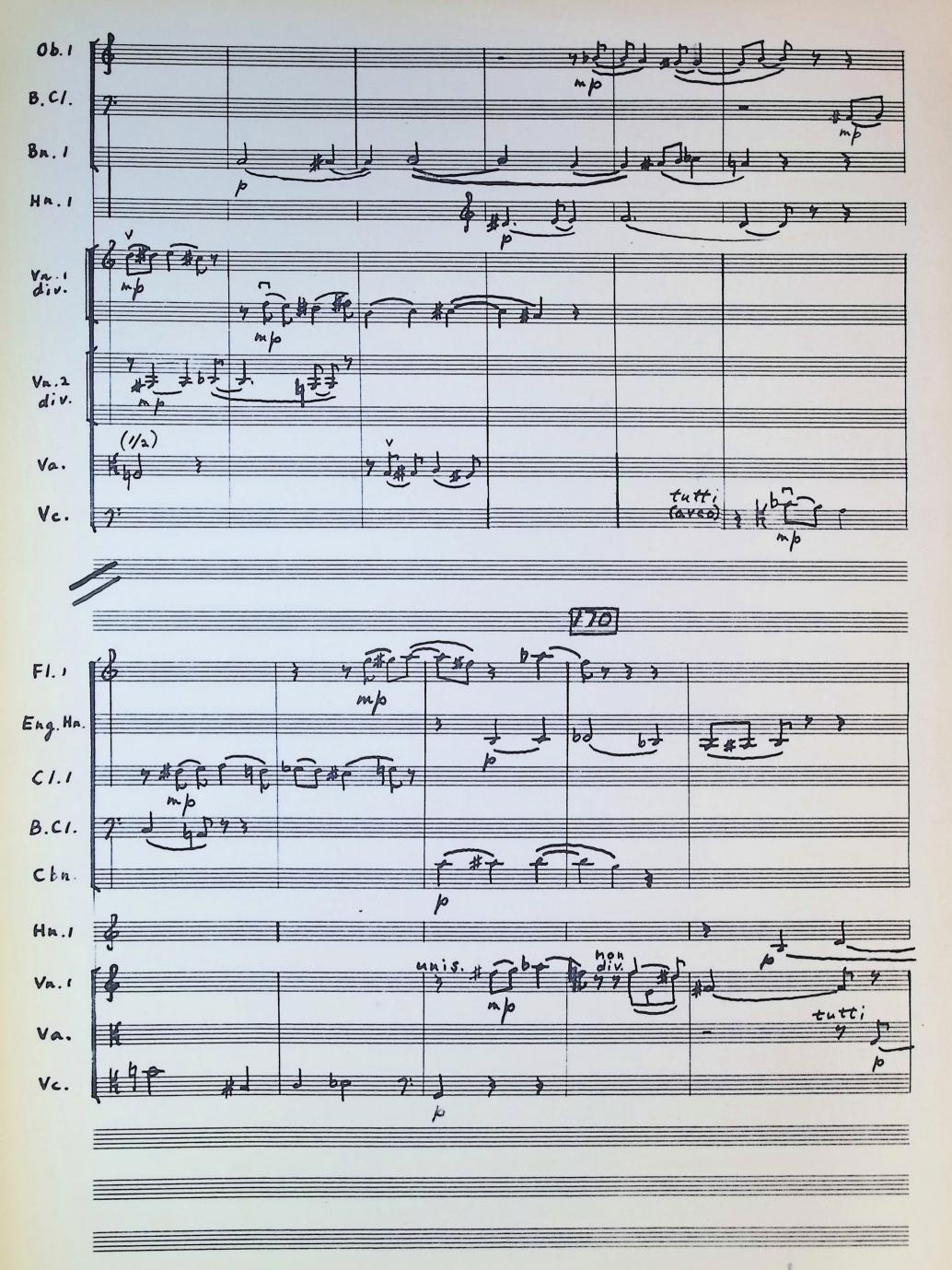
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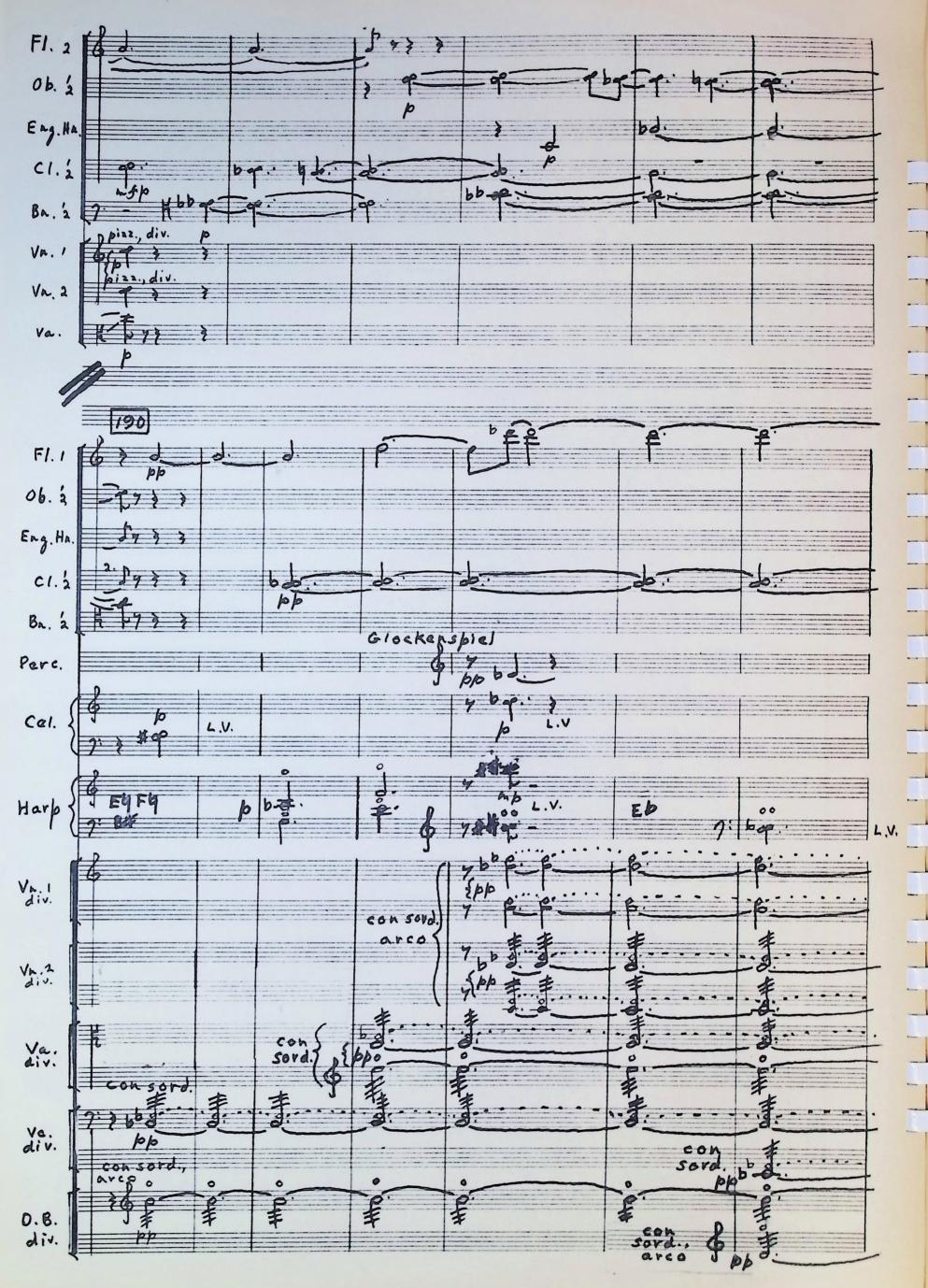
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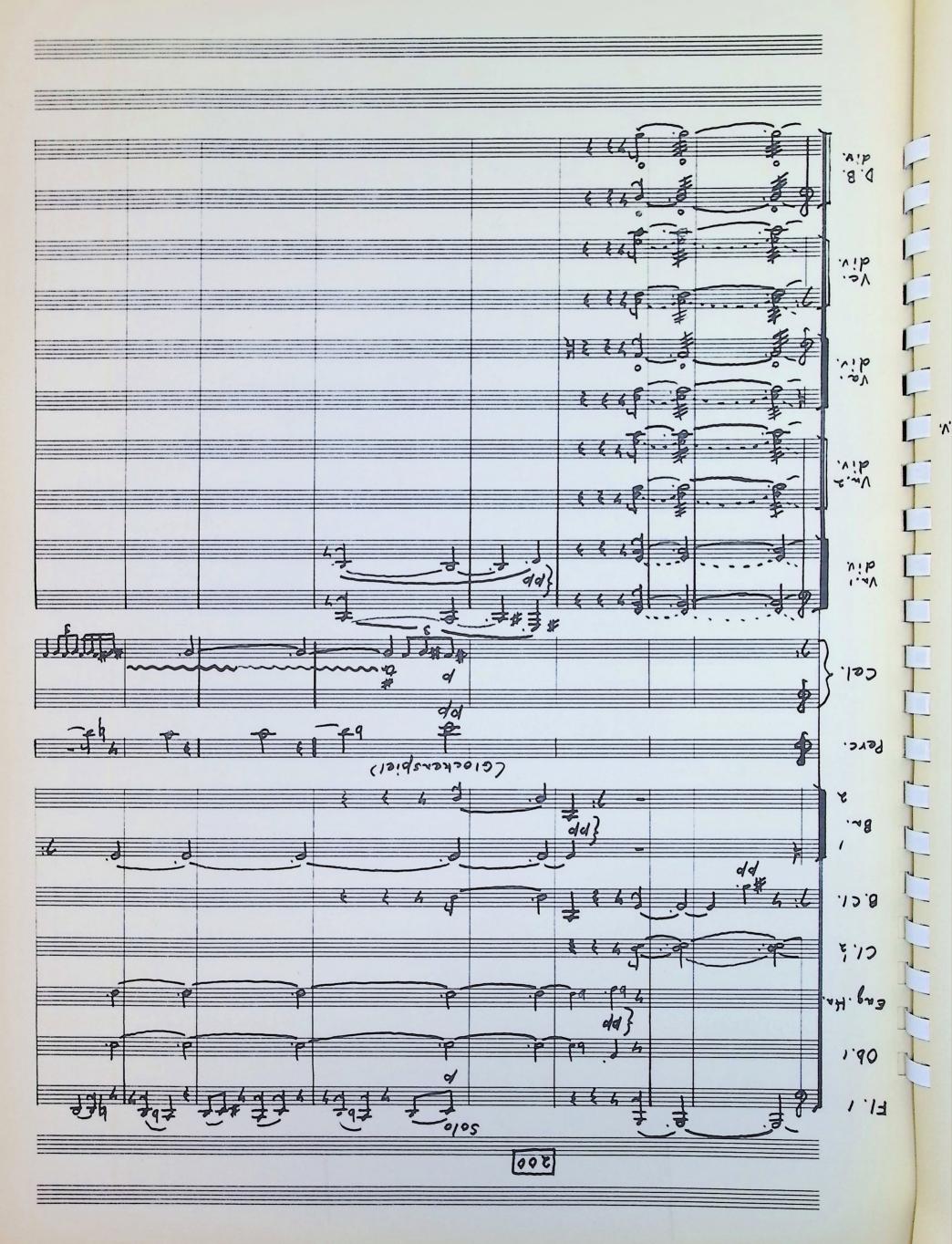
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